

Natural Gas Monthly

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Weekly Natural Gas Storage Report</i>	HTML	Weekly natural gas stocks and implied net changes by three regions and U.S. total
<i>Natural Gas Weekly Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings of the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed in Appendix D.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
Btu	British thermal unit	MMcf	Million cubic feet
DOE	U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
FERC	Federal Energy Regulatory Commission	STIFS	Short-Term Integrated Forecasting System
IOGCC	Interstate Oil and Gas Compact Commission	STEO	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

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Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through March 2002 for many data series at the national level. National-level natural gas prices are available through December 2001 (electric utilities), or March (residential, commercial, industrial, and wellhead). State-level data generally are available through March 2002, although underground storage data are available through April 2002.

Recent analyses of the natural gas industry are available on the EIA web site, www.eia.doe.gov under “Featured Topics” to the right side of the home page. The first two reports listed below are updated regularly. These reports are:

- *Weekly Natural Gas Storage Report* — a weekly report containing estimates of natural gas in underground storage for the United States and three regions of the United States released each Thursday at 10:30 a.m. at the EIA Web site, except for certain weeks with Federal holidays. The report, first released on May 9, 2002, contains estimates of storage for the current and prior week and comparisons to previous peri-

ods. Links are provided to papers describing survey Form EIA-912, “Weekly Underground Natural Gas Survey,” and the estimation methodology.

- *Natural Gas Weekly Update* - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.
- *Short-Term Energy Outlook* - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.

Other natural gas data and analyses may be found through the “Natural Gas” section of EIA’s web site. In the center section of the home page, the user should place the cursor on “By Fuel,” then click on “Natural Gas” in the drop-down menu.

Deletion of STIFS

The *Natural Gas Monthly* no longer includes estimates from the Energy Information Administration’s (EIA) Short-Term Integrated Forecasting Systems (STIFS) model computations for Table 1, 2, 3, 9, and 10. These estimates can be found online at the EIA Website: <http://tonto.eia.doe.gov/oog/info/ngw/ngupdate.asp>.

Consumption by Electric Utilities

Data for natural gas consumption by electric utilities are not available for February through March 2002 in this issue of the *Natural Gas Monthly*. However, consumption data for the other end-use sectors are available. The February and March 2002 electricity consumption data may be available before the next issue of the *Natural Gas Monthly* as part of Table 41 of the next issue of the *Electric Power Monthly* report. You may find this report on the EIA web site. Click on the by-fuel section of the home page and select electricity. The URL to get directly to the *Electric Power Monthly* is: http://www.eia.doe.gov/cneaf/electricity/epm/epm_sum.html.

Table 1. Summary of Natural Gas Production in the United States, 1996-2002
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	24,108	3,427	617	103	19,961	938	19,024
1999 Total	23,823	3,293	615	110	19,805	973	18,832
2000							
January	2,061	302	51	8	1,700	86	1,614
February	1,917	289	50	10	1,569	80	1,489
March	2,085	307	54	7	1,717	87	1,630
April	1,966	282	51	10	1,623	82	1,540
May	2,009	264	52	8	1,686	86	1,600
June	1,971	268	52	8	1,643	83	1,560
July	2,024	264	53	11	1,697	86	1,611
August	2,042	275	53	8	1,707	87	1,620
September	1,985	279	52	8	1,647	84	1,563
October	2,088	302	53	8	1,725	88	1,638
November	1,986	297	45	7	1,636	83	1,553
December	2,019	306	54	7	1,652	84	1,568
Total	24,153	3,434	617	100	20,002	1,016	18,987
2001							
January	^E 2,131	^E 314	^E 46	^E 9	^E 1,762	^E 89	^E 1,672
February	^E 1,928	^E 289	^E 39	^E 8	^E 1,592	^E 81	^E 1,511
March	^E 2,154	^E 336	^E 43	^E 9	^E 1,767	^E 90	^E 1,677
April	^E 2,059	^E 306	^E 42	^E 8	^E 1,703	^E 87	^E 1,616
May	^E 2,100	^E 300	^E 41	^E 9	^E 1,750	^E 89	^E 1,661
June	^E 1,999	^E 284	^E 41	^E 8	^E 1,665	^E 85	^E 1,580
July	^E 2,061	^E 285	^E 43	^E 9	^E 1,723	^E 88	^E 1,635
August	^E 2,064	^E 293	^E 43	^E 10	^E 1,718	^E 87	^E 1,631
September	^E 1,984	^E 274	^E 42	^E 9	^E 1,659	^E 84	^E 1,575
October	^E 2,073	^E 276	^E 44	^E 10	^E 1,743	^E 89	^E 1,654
November	^E 2,050	^E 321	^E 43	^E 9	^E 1,676	^E 85	^E 1,591
December	^E 2,102	^E 336	^E 40	^E 9	^E 1,717	^E 87	^E 1,630
Total	^E24,703	^E3,615	^E508	^E106	^E20,474	^E1,040	^E19,434
2002							
January	^{RE} 2,111	^{RE} 327	^E 43	^E 9	^{RE} 1,732	^E 88	^{RE} 1,644
February	^{RE} 1,916	^{RE} 304	^{RE} 39	^E 8	^{RE} 1,565	^{RE} 79	^{RE} 1,485
March	^{RE} 2,095	^{RE} 328	^{RE} 42	^E 9	^{RE} 1,716	^{RE} 87	^{RE} 1,629
2002 YTD	^E6,122	^E959	^E124	^E26	^E5,013	^E255	^E4,758
2001 YTD	^E6,213	^E939	^E127	^E25	^E5,121	^E260	^E4,860
2000 YTD	6,063	898	154	25	4,986	253	4,733

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1996 through 2000 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1996-2002
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	61	21,959
1998 Total	19,024	102	2,993	-530	-334	21,277
1999 Total	18,832	98	3,422	172	-897	21,620
2000						
January	1,614	9	308	799	-220	2,510
February	1,489	8	279	460	95	2,331
March	1,630	7	286	155	-28	2,051
April	1,540	6	277	-47	6	1,783
May	1,600	6	268	-237	-5	1,633
June	1,560	5	280	-291	-41	1,513
July	1,611	7	303	-296	-99	1,526
August	1,620	7	298	-201	-71	1,653
September	1,563	6	284	-297	-81	1,475
October	1,638	7	301	-247	-131	1,568
November	1,553	8	305	295	-252	1,909
December	1,568	9	349	735	-74	2,587
Total	18,987	86	3,538	829	-827	22,547
2001						
January	^E 1,672	^E 8	349	467	^R 126	2,621
February	^E 1,511	^E 7	303	338	119	2,277
March	^E 1,677	^E 7	327	181	6	2,198
April	^E 1,616	^E 6	297	-276	133	1,776
May	^E 1,661	^E 5	300	-448	-38	1,481
June	^E 1,580	^E 5	300	-422	-85	1,378
July	^E 1,635	^E 7	336	-376	-80	1,522
August	^E 1,631	^E 6	327	-305	-114	1,545
September	^E 1,575	^E 6	284	-368	-77	1,419
October	^E 1,654	^E 6	^E 294	-189	-186	1,580
November	^E 1,591	^E 7	^E 256	-85	-148	1,621
December	^E 1,630	^E 8	^E 275	350	^R -241	^R 2,022
Total	^E19,434	^E77	^E3,647	-1,134	^R-585	^R21,440
2002						
January	^{RE} 1,644	^E 8	^R 318	546	^R -157	^R 2,359
February	^{RE} 1,485	^E 7	^R 272	462	^R -142	^R 2,084
March	^{RE} 1,629	^E 8	^{RE} 304	320	^R -138	2,123
2002 YTD	^E4,758	22	^E894	1,328	-437	6,566
2001 YTD	^E4,860	^E22	979	985	250	7,097
2000 YTD	4,733	24	873	1,414	-153	6,892

^a Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Co. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Co.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Co. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1996 through 2000 include underground storage and liquefied natural gas storage. Data for January 2001 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2000 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997. See Appendix

A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

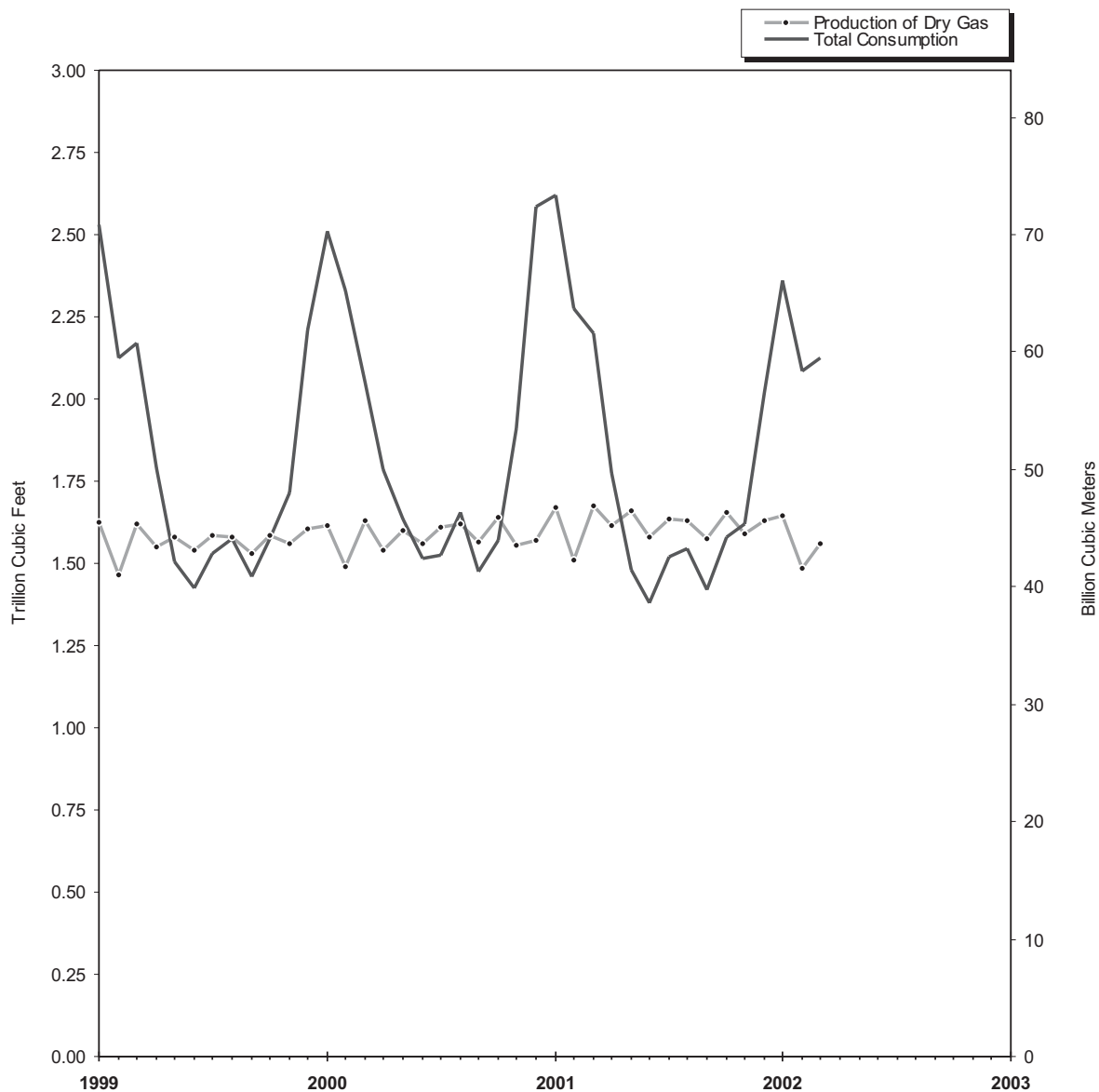
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, and Office of Fossil Energy, "Natural Gas Imports and Exports." See Appendix A, Notes 2 and 4, for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1999-2002



Source: Table 2.

Table 3. Natural Gas Consumption in the United States, 1996-2002
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998 Total	1,173	635	4,520	3,005	8,686	3,258	19,469	21,277
1999 Total	1,079	645	4,726	3,050	9,006	3,113	19,895	21,620
2000								
January	96	73	862	454	835	190	2,342	2,510
February	89	67	774	423	809	167	2,174	2,331
March	97	59	550	353	785	208	1,894	2,051
April	92	51	401	259	767	215	1,640	1,783
May	94	46	228	183	772	309	1,492	1,633
June	92	43	154	150	767	307	1,378	1,513
July	95	43	128	139	746	373	1,387	1,526
August	96	47	122	153	825	410	1,510	1,653
September	93	42	141	151	765	284	1,340	1,475
October	98	44	236	184	793	213	1,426	1,568
November	93	55	482	293	806	180	1,761	1,909
December	94	75	913	475	843	187	2,418	2,587
Total	1,130	644	4,992	3,226	9,512	3,043	20,772	22,547
2001								
January	^E 100	75	984	513	793	157	^R 2,447	2,621
February	^E 90	65	788	441	751	143	2,122	2,277
March	^E 100	63	687	388	789	171	2,035	2,198
April	^E 96	51	410	^R 267	740	211	1,629	1,776
May	^E 99	42	215	190	700	235	1,340	1,481
June	^E 94	39	149	162	673	261	1,244	1,378
July	^E 97	43	125	146	756	355	1,381	1,522
August	^E 97	44	118	152	773	360	1,404	1,545
September	^E 94	41	129	161	741	254	1,285	1,419
October	^E 98	45	239	202	770	224	1,436	1,580
November	^E 95	46	364	235	730	151	1,480	1,621
December	^E 97	58	608	^R 342	764	153	^R 1,867	^R 2,022
Total	^E 1,157	613	4,815	^R 3,199	8,981	2,675	^R 19,670	^R 21,440
2002								
January	^E 98	67	^R 821	434	765	175	^R 2,194	^R 2,359
February	^{RE} 88	^R 56	^R 703	^R 392	716	NA	1,940	^R 2,084
March	^E 97	55	660	377	729	NA	1,971	2,123
2002 YTD^d	283	178	2,184	1,202	2,210	NA	6,105	6,566
2001 YTD^d	289	203	2,458	1,342	2,334	471	6,605	7,097
2000 YTD^d	283	199	2,186	1,230	2,429	565	6,410	6,892

^a Plant fuel data and lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Vehicle fuel is included in the annual total of deliveries to commercial consumers for 1996-2000 but not in the monthly volumes. Volumes delivered for use as vehicle fuel (in billion cubic feet) were 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, 5.7 in 1999, and 8.3 in 2000.

^d Year-to-date volume represents months for which volume information is available in the current year.

^R Revised Data.

^E Estimated Data.

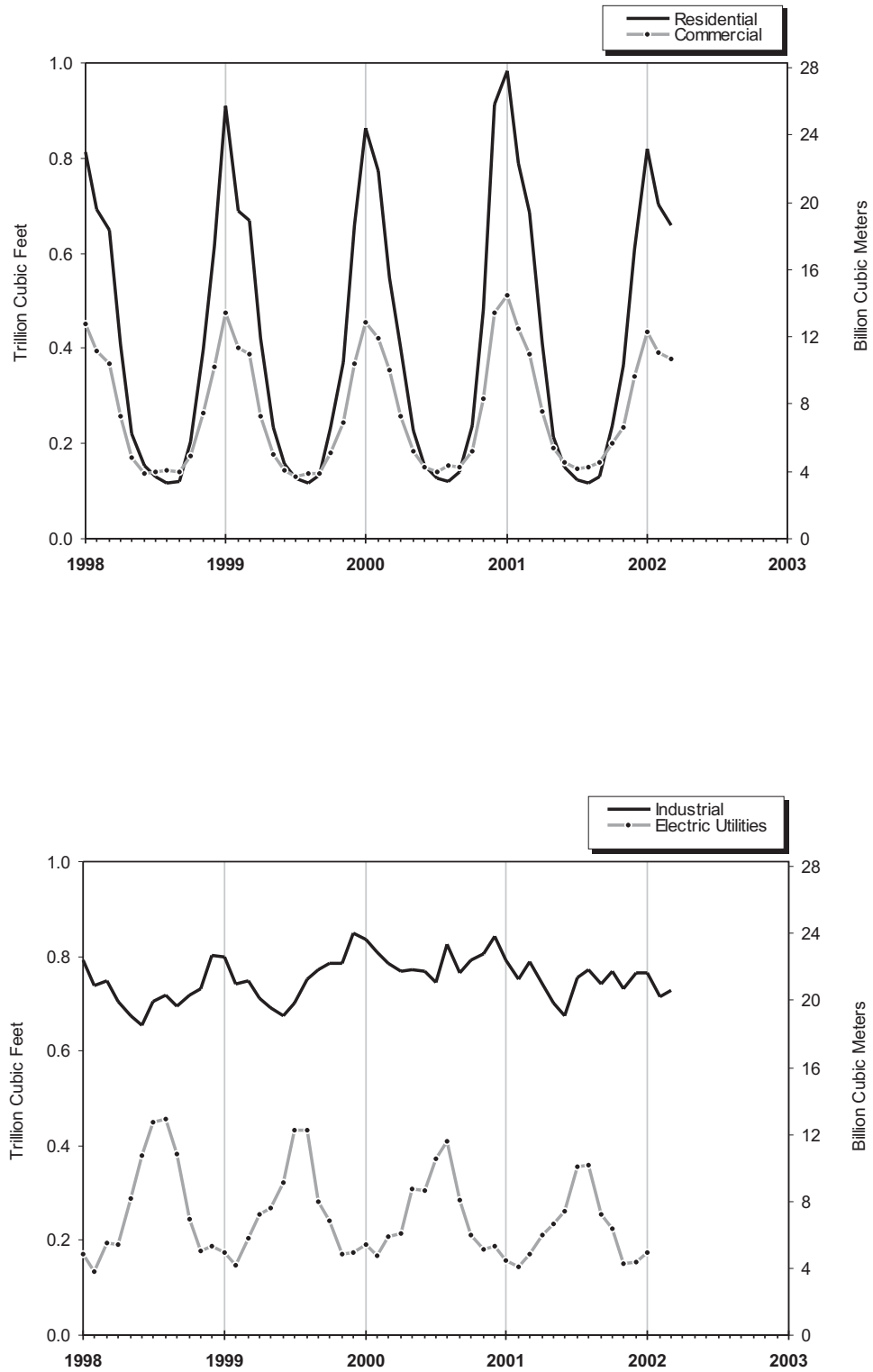
^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. See Explanatory Note 5 for further explanation.

Sources: 1996-2000: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 2000*. January 2001 through the current month: EIA: Form EIA-895, Form EIA-857, and Form EIA-759. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1998-2002



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1996-2002

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998 Annual Average	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999 Annual Average	2.19	3.10	6.69	5.33	66.2	3.10	17.5	2.62
2000								
January	2.60	3.27	6.37	5.78	66.5	3.41	18.7	2.74
February	2.73	3.48	6.54	5.96	67.4	3.68	19.4	2.96
March	2.66	3.54	6.91	5.78	62.4	3.54	18.2	3.00
April	2.86	3.72	7.19	6.04	61.2	3.59	18.0	3.23
May	3.04	4.15	8.26	5.98	59.6	3.67	17.0	3.63
June	3.77	5.19	9.50	6.49	56.5	4.24	18.1	4.45
July	3.84	5.20	10.33	6.56	55.5	4.55	17.6	4.35
August	3.73	4.63	10.37	6.09	57.7	4.33	17.1	4.27
September	4.26	5.21	10.10	6.93	56.0	4.88	16.5	4.85
October	4.58	5.66	9.44	7.49	58.5	5.45	16.6	5.17
November	4.40	5.20	8.58	7.57	63.0	5.39	19.8	5.37
December	5.77	6.64	8.56	8.20	67.5	6.67	20.4	8.23
Annual Average	3.69	4.62	7.76	6.59	62.9	4.48	18.1	4.38
2001								
January	^E 8.06	8.84	10.06	9.36	^R 70.7	8.60	16.3	9.47
February	^E 5.84	7.19	10.33	9.69	68.6	7.28	15.6	6.85
March	^E 5.15	6.17	9.91	9.00	67.0	6.36	15.0	5.69
April	^E 5.21	6.35	10.18	8.85	^R 64.7	6.14	13.9	5.70
May	^E 4.56	5.89	10.99	8.50	57.1	5.42	^R 12.9	5.14
June	^E 3.88	5.36	11.51	6.91	61.5	4.77	13.0	4.51
July	^E 3.39	4.28	11.01	7.01	54.5	3.94	18.8	3.83
August	^E 3.23	4.27	10.77	6.59	54.2	3.78	18.0	3.72
September	^E 2.55	3.64	10.16	6.29	52.2	3.29	19.1	3.15
October	^E 2.40	3.47	8.18	5.89	57.9	3.01	19.3	2.79
November	^E 2.74	4.17	7.97	6.52	63.0	3.96	18.0	3.30
December	^E 2.38	4.08	7.30	^R 6.50	^R 66.6	3.42	19.5	3.12
Annual Average	^E4.12	5.82	9.63	^R8.10	63.9	4.86	16.7	4.52
2002								
January	^E 2.35	^R 4.16	^R 7.23	^R 6.53	^R 67.0	3.64	20.9	NA
February	^E 2.14	3.86	^R 7.19	^R 6.52	^R 65.7	3.30	20.8	NA
March	^E 2.52	3.87	6.96	6.28	65.4	3.36	20.8	NA
2002 YTD^c	^E2.34	3.97	7.14	6.45	66.1	3.44	20.8	NA
2001 YTD^c	^E6.35	7.55	10.11	9.37	68.9	7.45	15.6	8.09
2000 YTD^c	2.66	3.41	6.57	5.84	65.6	3.54	18.7	2.84

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

^c Year-to-date price represents months for which price information is available in the current year. The electric utility year-to-date price is 3 months behind the wellhead, city gate, residential, commercial, and industrial year-to-date prices.

^R Revised Data.

^E Estimated Data.

NA Not Available.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. See Appendix A, Explanatory Note 5 for further explanation.

Sources: 1996-2000: Energy Information Administration (EIA) *Natural Gas Annual 2000*. January 2001 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1998-2002

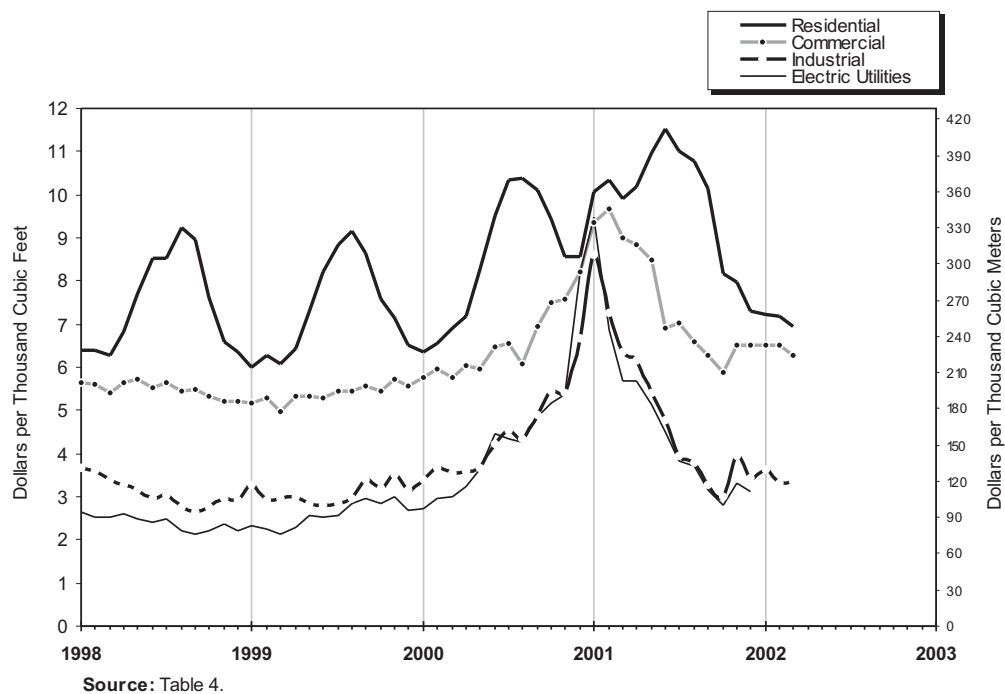


Figure 4. Average Price of Natural Gas in the United States, 1998-2002

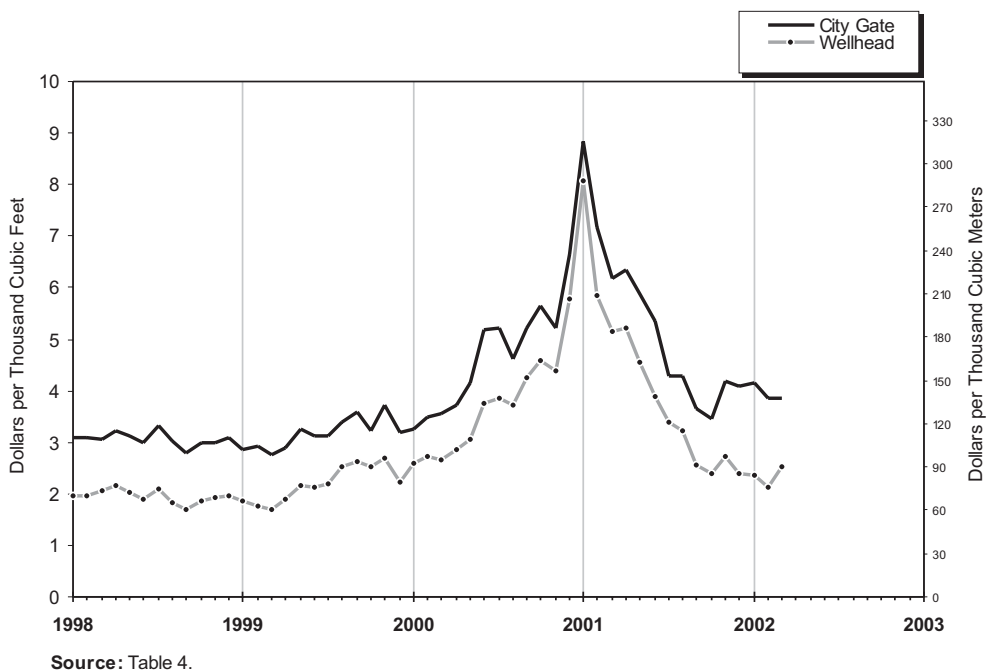


Table 5. U.S. Natural Gas Imports, by Country, 1996-2002

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998 Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999 Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
Total	3,543,966	3.97	11,601	5.43	46,947	3.48	5,945	3.25	12,654	4.37
2001										
January	353,515	9.63	2,416	7.98	5,020	4.05	0	—	2,478	10.79
February	306,961	6.49	1,139	5.45	7,658	5.52	0	—	5,068	6.25
March	335,175	5.42	1,482	4.89	7,606	5.87	0	—	2,535	9.05
April	296,754	5.40	2,102	5.11	5,009	3.88	0	—	4,822	5.42
May	301,938	5.01	157	4.44	7,572	3.58	0	—	5,067	5.43
June	297,497	3.92	0	—	3,943	2.71	0	—	7,547	4.92
July	341,932	3.12	0	—	7,754	3.14	1,187	3.79	2,888	5.09
August	336,466	3.11	0	—	5,058	2.73	1,207	3.92	2,606	2.99
September	295,061	2.58	0	—	5,087	2.76	0	—	4,955	3.30
October	316,637	2.14	0	—	2,491	2.48	0	—	0	—
November	285,244	2.96	160	2.04	2,510	2.25	0	—	0	—
December	295,445	2.67	2,821	2.44	5,237	2.68	0	—	0	—
Total	3,762,624	4.43	10,276	5.00	64,945	3.73	2,394	3.86	37,966	5.56
2002										
January	^R 338,934	^R 2.70	^R 941	^R 2.58	^R 2,726	^R 3.77	0	—	0	—
February	^R 288,892	^R 2.30	^R 770	^R 2.09	0	—	0	—	0	—
March	^R 327,175	^R 2.61	^R 0	—	0	—	0	—	0	—
April	^E 295,427	NA	2,158	NA	0	—	0	—	0	—
2002 YTD	^E 1,250,428	NA	3,870	NA	2,726	3.77	0	—	0	—
2001 YTD	1,292,405	6.82	7,138	6.09	25,293	5.01	0	—	14,903	7.21
2000 YTD	1,164,754	2.61	4,713	2.46	16,569	2.94	2,274	3.21	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1996-2002

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998 Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999 Total	19,697	2.71	50,777	2.39	2,713	3.03	^a 2,576	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	3.30	0	—	^b 2,464	2.86	322,285	3.94
August	7,167	3.15	8,435	3.30	0	—	^b 2,461	2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	^b 2,740	4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	^c 2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	^b 2,333	3.44	329,759	4.86
December	0	—	10,262	5.14	0	—	0	—	371,425	7.35
Total	46,057	3.44	98,949	3.43	2,725	3.53	12,758	3.50	3,781,603	3.95
2001										
January	0	—	10,707	7.04	0	—	0	—	374,136	9.48
February	0	—	6,635	4.78	0	—	^b 2,738	8.70	330,199	6.44
March	2,400	3.17	10,704	4.74	0	—	0	—	359,902	5.42
April	2,452	6.60	8,028	4.26	0	—	^b 1,702	4.65	320,869	5.35
May	4,975	4.47	9,530	4.15	0	—	0	—	329,238	4.95
June	3,076	5.82	10,407	3.77	0	—	^b 1,616	3.99	324,087	3.94
July	4,934	3.97	6,701	3.95	0	—	^b 1,635	4.65	367,031	3.17
August	0	—	7,519	3.60	0	—	^b 2,728	4.99	355,584	3.13
September	4,919	3.24	5,230	3.68	0	—	^b 1,635	4.65	316,888	2.63
October	0	—	9,234	2.17	0	—	0	—	328,362	2.14
November	0	—	5,340	3.19	0	—	0	—	293,253	2.96
December	0	—	7,975	3.12	0	—	0	—	311,478	2.68
Total	22,758	4.37	98,009	4.14	0	—	12,055	5.56	4,011,027	4.43
2002										
January	0	—	^R 5,318	^R 3.80	0	—	0	—	^R 347,919	^R 2.72
February	0	—	^R 7,571	^R 3.10	0	—	0	—	^R 297,233	^R 2.32
March	0	—	^R 10,151	^R 2.90	0	—	0	—	^R 337,326	^R 2.62
April	2,439	NA	10,398	NA	0	—	0	—	^E 310,421	NA
2002 YTD	2,439	NA	33,438	NA	0	—	0	—	^E1,292,900	NA
2001 YTD	4,853	4.90	36,073	5.32	0	—	4,440	7.15	1,385,106	6.74
2000 YTD	9,682	2.73	28,626	2.97	0	—	0	—	1,226,617	2.62

^a Received from Malaysia.^b Received from Oman.^c Received from Indonesia.^R Revised Data.^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1996 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports". Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1996-2002

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998 Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999 Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
Total	72,586	3.66	105,102	4.26	65,610	4.31	418	5.82	243,716	4.10
2001										
January	11,818	6.84	8,111	10.34	5,571	4.68	47	5.82	25,547	7.48
February	15,379	5.41	8,009	7.06	3,714	4.73	42	5.82	27,144	5.80
March	19,691	4.52	7,110	6.22	5,569	4.70	42	5.82	32,412	4.93
April	12,683	5.67	5,326	7.10	5,594	4.25	34	5.82	23,637	5.66
May	13,328	5.00	9,940	6.88	5,677	4.22	35	5.82	28,981	5.49
June	9,568	4.05	11,183	5.27	3,780	4.28	23	5.82	24,554	4.64
July	10,449	3.38	14,939	3.53	5,665	4.27	32	5.82	31,086	3.62
August	7,567	3.19	15,531	3.31	5,684	4.29	33	5.82	28,814	3.47
September	10,030	2.46	17,610	2.45	5,676	4.39	35	5.82	33,350	2.79
October	10,907	2.22	15,920	2.29	7,576	4.41	49	5.82	34,452	2.74
November	15,819	3.12	15,489	2.98	5,644	4.29	47	5.82	37,000	3.24
December	20,224	2.51	10,751	2.55	5,602	4.29	46	5.82	36,624	2.80
Total	157,462	4.06	139,920	4.34	65,753	4.39	465	5.82	363,600	4.23
2002										
January	^R 11,840	^R 2.64	^R 12,167	^R 2.65	5,605	^R 4.26	^R 51	^R 5.82	^R 29,663	^R 2.96
February	^R 11,418	^R 2.11	^R 10,421	^R 2.24	3,755	^R 4.02	^R 37	^R 5.82	^R 25,631	^R 2.45
March	^R 10,018	^R 2.46	^R 17,873	^R 2.68	5,619	^R 3.73	^R 39	^R 5.82	^R 33,549	^R 2.79
April	^E 11,738	NA	^E 17,873	NA	7,427	NA	NA	NA	^E 37,038	NA
2002 YTD	^E 45,013	NA	^E 58,335	NA	22,407	NA	NA	NA	^E 125,881	NA
2001 YTD	59,570	5.45	28,557	7.79	20,447	4.58	165	5.82	108,740	5.90
2000 YTD	27,394	2.69	28,194	2.69	20,574	4.13	148	5.82	76,310	3.08

^R Revised Data.^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1996 through the current month (except estimates):

Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports". Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1996-2002
(Million Cubic Feet)

Table 7

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998 Total	562,714	466,648	457	315,277	696,321	5,796	603,586
1999 Total	545,464	462,967	474	382,715	722,738	5,933	553,419
2000							
January	46,526	42,242	37	31,663	65,091	564	49,597
February	44,084	38,430	26	27,675	60,155	547	41,606
March	43,869	42,505	27	29,706	64,390	653	44,924
April	43,318	37,290	28	28,970	61,056	595	43,591
May	44,231	33,531	31	30,981	65,137	575	43,837
June	43,196	35,890	32	30,558	59,184	474	44,129
July	43,985	35,559	32	32,823	62,541	544	43,938
August	43,790	35,910	33	33,111	64,332	533	43,603
September	40,731	37,148	33	32,377	62,304	550	42,078
October	42,755	39,354	33	33,723	63,606	472	43,078
November	42,511	38,897	32	32,540	63,005	465	41,891
December	43,614	42,239	24	32,454	62,182	519	43,457
Total	522,610	458,995	368	376,580	752,985	6,491	525,729
2001							
January	30,460	42,459	31	32,450	^E 62,027	454	41,780
February	27,096	38,318	28	29,821	^E 59,310	397	36,909
March	29,918	42,727	31	32,074	^E 61,791	436	40,535
April	28,864	39,572	32	30,325	^E 59,791	499	39,420
May	29,742	35,882	28	32,404	^E 62,480	440	39,967
June	28,993	34,653	25	31,753	^E 58,715	473	38,721
July	30,616	37,163	26	31,644	^E 61,195	553	40,646
August	30,999	37,228	24	31,826	^E 62,205	531	39,335
September	30,102	36,172	22	30,562	^E 60,192	489	37,483
October	30,194	39,306	20	31,516	^E 63,033	701	38,286
November	29,379	43,007	15	29,973	^E 61,942	382	37,123
December	30,446	45,344	25	31,507	^E 63,617	353	^R 38,451
Total	356,811	471,831	307	375,856	^E 736,299	5,706	^R 468,658
2002							
January	^R 29,630	42,257	26	30,928	^E 63,426	342	31,101
February	27,084	38,966	23	28,638	^E 61,342	388	^E 26,502
2002 YTD	56,714	81,223	50	59,567	^E 124,768	730	^E 57,602
2001 YTD	57,556	80,777	59	62,272	^E 121,337	851	78,689
2000 YTD	90,610	80,672	62	59,337	125,245	1,111	91,202

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1996-2002

(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	5,277,188	278,076	108,068	57,645	1,501,098	53,185	1,669,367
1999 Total	5,275,730	277,364	111,021	61,163	1,511,671	52,862	1,594,002
2000							
January	421,366	22,586	8,241	6,003	145,404	4,585	140,183
February	392,889	15,849	5,386	5,480	137,819	4,116	125,741
March	429,630	33,893	7,350	6,016	147,050	4,291	140,811
April	415,525	12,551	6,785	5,614	137,212	4,278	132,697
May	428,197	26,709	7,527	5,809	143,431	4,543	136,652
June	413,358	17,328	6,938	5,369	136,470	4,322	136,693
July	431,309	30,404	7,347	5,888	141,810	4,505	138,946
August	434,049	33,002	7,571	5,833	139,961	4,320	139,930
September	421,580	24,743	7,227	5,723	139,149	4,329	132,330
October	435,279	38,453	7,958	6,039	141,187	4,490	145,745
November	417,355	25,882	7,693	5,741	136,170	4,178	119,411
December	428,327	15,156	8,535	6,422	141,754	4,469	123,749
Total	5,068,863	296,556	88,558	69,936	1,687,416	52,426	1,612,890
2001							
January	467,724	27,354	8,958	6,555	138,892	4,537	^E 141,360
February	428,810	13,735	7,749	5,906	126,673	4,019	^E 129,640
March	474,754	29,621	8,398	6,364	137,458	4,548	^E 143,530
April	459,439	20,195	9,892	6,215	132,246	4,564	^E 138,900
May	474,308	35,791	10,332	6,273	126,566	4,569	^E 143,395
June	446,847	17,942	8,440	6,036	^E 120,771	4,349	^E 138,768
July	462,219	20,115	9,313	6,452	^E 125,274	4,649	^E 143,395
August	455,170	26,818	9,494	6,308	^E 126,287	4,753	^E 142,600
September	442,183	14,571	8,341	6,502	^E 122,513	4,502	^E 137,328
October	455,288	29,294	9,074	7,031	^E 126,806	4,574	^E 141,906
November	436,901	24,190	8,353	7,193	^E 120,164	4,596	^E 136,641
December	452,820	16,289	9,196	7,122	^E 118,092	4,771	^E 141,619
Total	5,456,463	275,914	107,540	77,958	^E 1,521,742	54,432	^E 1,679,082
2002							
January	461,646	^E 14,651	9,510	^R 7,569	^E 130,174	4,763	^E 135,659
February	417,237	^E 8,043	8,688	^E 6,866	^E 119,997	4,360	^E 123,144
2002 YTD	878,883	^E 22,693	18,198	^E 14,435	^E 250,170	9,123	^E 258,803
2001 YTD	896,534	41,088	16,708	12,461	265,565	8,556	^E 271,000
2000 YTD	814,255	38,435	13,627	11,484	283,223	8,701	265,924

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1996-2002

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998 Total	1,067	6,408,444	277,340	903,836	775,235	19,961,348
1999 Total	1,291	6,211,613	262,614	971,230	800,579	19,804,848
2000						
January	124	522,128	22,008	92,837	79,277	1,700,461
February	105	488,863	20,526	84,714	74,653	1,568,663
March	107	531,944	21,916	90,043	78,056	1,717,180
April	99	507,411	21,255	87,761	76,693	1,622,729
May	102	529,617	22,525	90,699	71,637	1,685,770
June	94	523,281	21,638	87,579	76,514	1,643,048
July	90	531,434	22,772	90,281	72,583	1,696,792
August	96	531,705	22,864	90,812	75,554	1,707,010
September	97	509,474	22,664	89,472	75,066	1,647,075
October	109	526,000	23,374	95,215	78,431	1,725,300
November	97	508,353	22,943	91,715	77,322	1,636,200
December	93	495,039	24,801	97,201	82,022	1,652,058
Total	1,214	6,205,249	269,285	1,088,328	917,808	20,002,287
2001						
January	^E 86	539,175	24,309	111,315	^E 81,856	^E 1,761,782
February	^E 78	485,370	22,368	101,763	^E 74,185	^E 1,592,176
March	^E 93	536,836	24,876	114,525	^E 78,145	^E 1,766,661
April	^E 87	523,416	24,381	109,921	^E 75,056	^E 1,702,816
May	^E 89	539,296	24,261	110,238	^E 73,630	^E 1,749,690
June	^E 86	521,986	23,502	108,676	^E 74,129	^E 1,664,867
July	^E 85	539,802	22,972	112,311	^E 74,298	^E 1,722,729
August	^E 76	534,645	22,826	112,881	^E 74,290	^E 1,718,296
September	^E 80	518,138	22,649	112,708	^E 74,379	^E 1,658,916
October	^E 92	541,722	23,854	120,064	^E 80,015	^E 1,742,776
November	^E 92	519,853	23,854	115,447	^E 77,028	^E 1,676,133
December	^E 90	535,555	24,578	^E 115,728	^E 81,857	^{RE} 1,717,459
Total	^E 1,034	6,335,794	284,431	^E 1,345,576	^E 918,868	^{RE} 20,474,300
2002						
January	^E 84	541,077	^E 24,620	117,851	^E 86,964	^{RE} 1,732,278
February	^E 76	482,212	^E 22,572	109,212	^E 79,494	^E 1,564,843
2002 YTD	^E 160	1,023,289	^E 47,192	227,062	^E 166,458	^E 3,297,121
2001 YTD	^E 163	1,024,545	46,677	213,078	^E 156,041	^E 3,353,958
2000 YTD	229	1,010,991	42,533	177,551	153,930	3,269,124

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia. The 2001 and later data monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1996 through 2000 include Federal Offshore production. For 2001, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State,
February 2002**
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro- carbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	29,341	416	29,757	1,048	1,491	135	27,084
Alaska	16,437	275,254	291,691	252,098	0	626	38,966
Arizona	23	0	23	0	0	0	23
California	6,672	24,308	30,980	2,342	0	0	28,638
Colorado	^E 53,276	^E 8,673	^E 61,949	^E 539	0	^E 68	^E 61,342
Florida	0	439	439	0	50	0	388
Kansas	^E 24,089	^E 2,485	^E 26,574	^E 45	0	^E 27	^E 26,502
Louisiana	367,166	55,196	422,361	3,313	0	1,812	417,237
Michigan	^E 6,546	^E 1,636	^E 8,182	^E 58	0	^E 82	^E 8,043
Mississippi	10,547	433	10,979	490	1,564	238	8,688
Montana	^E 6,894	^E 0	^E 6,894	^E 0	^E 0	^E 28	^E 6,866
New Mexico	^E 114,559	^E 16,037	^E 130,596	^E 1,448	^E 8,953	^E 199	^E 119,997
North Dakota	1,211	3,301	4,512	0	10	238	4,360
Oklahoma	^E 111,325	^E 11,819	^E 123,144	^E 0	^E 0	^E 0	^E 123,144
Oregon	^E 89	0	^E 89	0	^E 12	0	^E 76
Texas	427,558	103,456	531,015	34,364	12,205	2,234	482,212
Utah	^E 21,130	^E 2,876	^E 24,006	^E 40	0	^E 1,395	^E 22,572
Wyoming	118,893	13,584	132,477	8,160	14,112	993	109,212
Other States	^E 77,690	^E 2,224	^E 79,913	0	^E 318	^E 102	^E 79,494
Total	^E1,393,445	^E522,136	^E1,915,581	^E303,944	^E38,715	^E8,176	^E1,564,843

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^E Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1996-2002

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1996 Total^a	—	—	—	—	—	2,906	2,911	6
1997 Total^a	—	—	—	—	—	2,800	2,824	24
1998 Total^a	—	—	—	—	—	2,905	2,379	-526
1999 Total^a	—	—	—	—	—	2,598	2,772	174
2000								
January	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
Total	—	—	—	—	—	2,684	3,498	814
2001								
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
November	4,301	3,254	7,555	812	33.2	223	138	-85
December	4,301	2,904	7,204	1,185	68.9	80	430	350
Total	—	—	—	—	—	3,399	2,264	-1,134
2002								
January	4,313	2,344	6,657	1,078	85.2	59	605	546
February	4,356	1,838	6,194	925	101.4	55	517	462
March	4,355	1,518	5,873	776	104.7	105	425	320
April	4,355	1,659	6,014	666	67.1	237	111	-126

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,241.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

— Not Applicable.

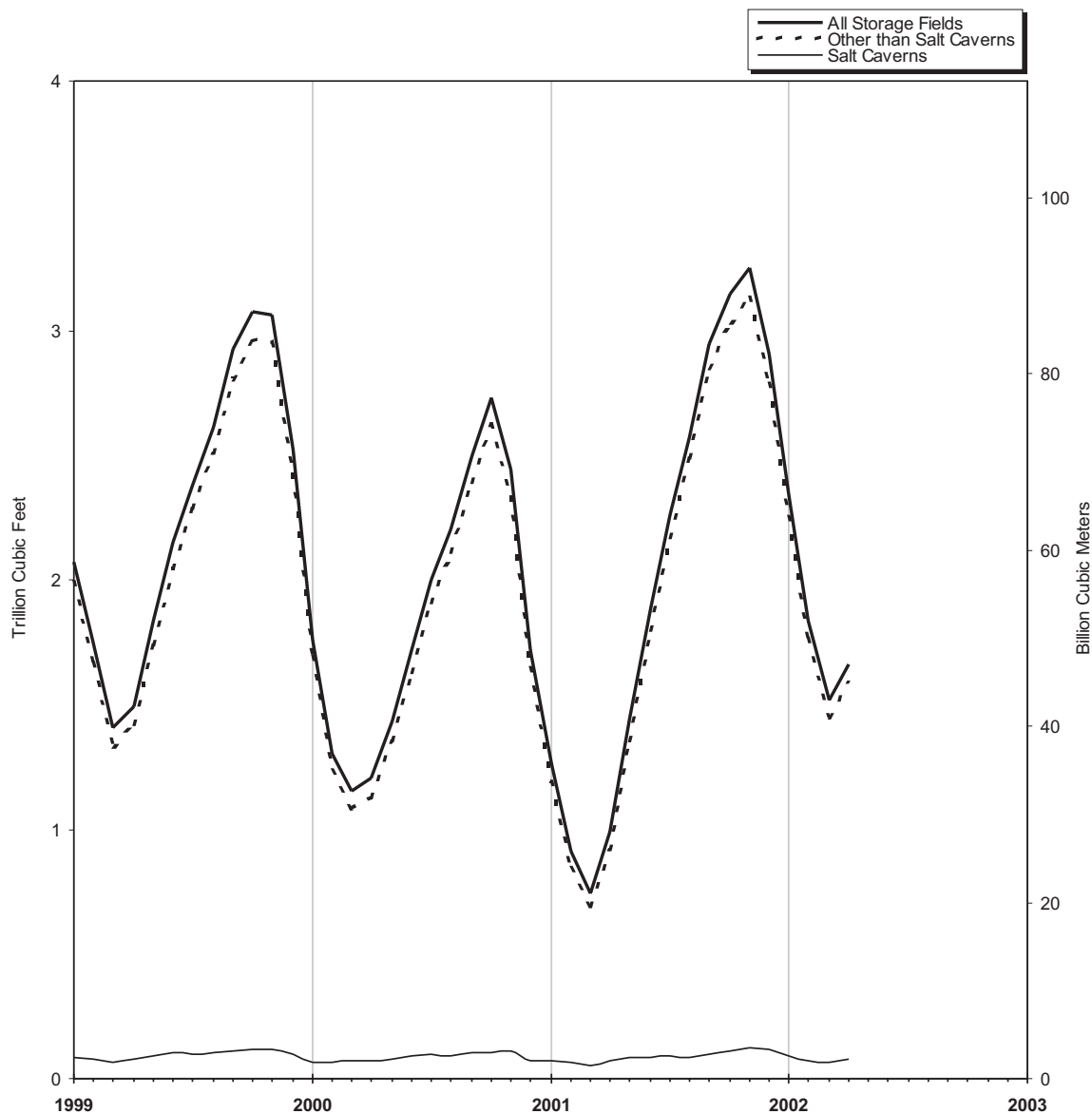
Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion

of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1999-2002



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 1999-2002

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1999	4,370	3,073	7,443	-118	-3.7	247	92	-155
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
Total	—	—	—	—	—	517	2,476	1,959
2000 Refill Season								
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
Total	—	—	—	—	—	2,230	651	-1,579
2000-2001 Heating Season								
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
Total	—	—	—	—	—	450	2,443	1,993
2001 Refill Season								
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
Total	—	—	—	—	—	2,819	435	-2,384
2001-2002 Heating Season								
November	4,301	3,254	7,555	812	33.2	223	138	-85
December	4,301	2,904	7,204	1,185	68.9	80	430	350
January	4,313	2,344	6,657	1,078	85.2	59	605	546
February	4,356	1,838	6,194	925	101.4	55	517	462
March	4,355	1,518	5,873	776	104.7	105	425	320
Total	—	—	—	—	—	523	2,115	1,593
2002 Refill Season								
April	4,355	1,659	6,014	666	67.1	237	111	-126

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period

to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-2002
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1996 Total^a	—	—	—	—	—	258	246	-13
1997 Total^a	—	—	—	—	—	267	274	6
1998 Total^a	—	—	—	—	—	297	275	-22
1999 Total^a	—	—	—	—	—	260	259	-1
2000								
January	68	65	133	-15	-21.2	16	50	34
February	68	66	134	-12	-15.1	23	22	-1
March	69	69	138	0	1.5	24	20	-3
April	69	74	143	-4	-5.5	24	19	-5
May	70	77	147	-17	-18.1	27	24	-3
June	70	90	160	-12	-11.4	31	18	-13
July	71	97	168	1	1.7	30	21	-9
August	72	90	161	-13	-12.3	24	32	8
September	71	101	172	-12	-9.7	31	18	-12
October	71	107	178	-9	-6.6	29	20	-9
November	71	110	182	-9	-5.2	21	23	1
December	70	72	142	-28	-28.0	18	55	36
Total	—	—	—	—	—	296	320	24
2001								
January	71	73	144	9	13.5	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1
July	71	89	160	-8	-8.4	29	25	-4
August	71	86	157	-2	-2.7	27	29	2
September	71	100	171	0	-0.3	33	19	-14
October	71	108	180	1	0.8	33	24	-8
November	77	123	200	13	11.6	35	21	-14
December	77	115	191	43	59.4	19	28	9
Total	—	—	—	—	—	337	293	-44
2002								
January	77	93	170	19	26.2	24	46	22
February	77	74	151	7	10.9	20	38	18
March	77	65	142	12	22.3	27	36	9
April	77	77	154	6	8.1	29	17	-12

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1996-2002

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1996 Total^a	—	—	—	—	—	2,647	2,665	18
1997 Total^a	—	—	—	—	—	2,533	2,551	18
1998 Total^a	—	—	—	—	—	2,608	2,103	-504
1999 Total^a	—	—	—	—	—	2,338	2,512	175
2000								
January	4,310	1,696	6,006	-280	-14.8	44	791	748
February	4,309	1,238	5,547	-418	-25.8	60	511	451
March	4,295	1,084	5,379	-242	-19.0	116	271	156
April	4,293	1,129	5,422	-277	-20.4	167	127	-41
May	4,292	1,356	5,648	-387	-22.1	286	58	-228
June	4,291	1,627	5,918	-423	-20.5	318	47	-271
July	4,291	1,906	6,196	-380	-16.6	343	62	-281
August	4,289	2,109	6,399	-401	-15.9	281	77	-204
September	4,289	2,393	6,683	-420	-14.9	340	61	-278
October	4,289	2,625	6,913	-336	-11.3	300	68	-233
November	4,290	2,332	6,621	-620	-20.9	86	373	287
December	4,282	1,647	5,929	-779	-32.0	47	731	684
Total	—	—	—	—	—	2,388	3,178	790
2001								
January	4,273	1,192	5,465	-504	-29.7	60	528	468
February	4,259	846	5,105	-392	-31.5	52	382	330
March	4,232	688	4,920	-396	-36.3	93	259	166
April	4,192	921	5,113	-208	-17.0	312	54	-259
May	4,239	1,355	5,594	-1	0.4	458	27	-432
June	4,239	1,798	6,037	171	11.2	445	23	-421
July	4,245	2,172	6,417	266	14.4	411	39	-372
August	4,242	2,490	6,732	380	18.5	357	50	-307
September	4,247	2,844	7,091	450	19.9	376	22	-354
October	4,238	3,036	7,274	411	15.7	248	68	-180
November	4,224	3,131	7,354	799	34.3	188	117	-71
December	4,224	2,789	7,013	1,142	69.3	61	402	341
Total	—	—	—	—	—	3,062	1,971	-1,091
2002								
January	4,236	2,251	6,487	1,059	88.8	36	560	524
February	4,279	1,764	6,043	918	108.6	35	479	444
March	4,278	1,453	5,731	764	111.0	78	389	311
April	4,278	1,582	5,860	661	71.7	208	94	-114

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002

(Volumes in Million Cubic Feet)

State	2002				2001		
	April	March	February	January	Total	December	November
Alabama	-257	271	108	210	-711	-11	-501
Arkansas	-47	235	770	486	-2,904	507	-90
California	-20,680	5,245	4,939	39,393	-74,641	23,726	-13,104
Colorado	-2,247	5,766	7,182	4,892	-7,388	1,048	-63
Illinois	8,790	26,990	49,634	58,536	-24,866	47,266	43
Indiana	1,997	3,589	4,666	4,084	-5,686	3,777	-2,298
Iowa	363	7,122	15,015	21,622	-21,025	17,209	-3,118
Kansas	-6,721	12,651	17,130	19,274	-46,721	12,355	-4,369
Kentucky	400	10,669	11,384	8,665	-36,233	6,206	12
Louisiana	-11,352	18,770	39,103	41,561	-123,545	23,556	-20,514
Maryland	427	2,121	1,352	2,722	-4,265	1,619	-34
Michigan	-10,433	74,426	73,014	84,521	-226,068	65,214	-8,308
Minnesota	134	375	332	304	-605	3	-134
Mississippi	-1,528	4,016	8,337	9,588	-11,441	4,205	-2,504
Missouri	215	1,089	825	-24	-904	254	-255
Montana	707	3,605	2,765	3,400	-9,117	3,890	503
Nebraska	-261	1,628	679	1,267	-2,349	831	-45
New Mexico	87	1,131	1,655	1,285	-9,476	645	-1,059
New York	-1,459	7,783	10,978	14,435	-16,354	8,628	-1,337
Ohio	-9,911	33,060	44,426	41,480	-61,585	31,110	2,950
Oklahoma	-13,141	13,099	20,976	23,962	-71,523	10,886	-2,795
Oregon	1,648	2,859	787	1,424	-2,624	1,572	-766
Pennsylvania	-16,389	46,264	62,974	61,675	-92,474	48,277	-9,455
Tennessee	0	-1	-1	-50	-337	1	-30
Texas	-25,965	10,269	27,590	36,821	-176,609	-136	-15,122
Utah	-3,510	2,811	7,407	11,857	-12,511	9,619	3,189
Virginia	-160	383	677	500	-1,097	277	-27
Washington	-3,810	849	4,145	7,037	-2,821	-102	145
West Virginia	-10,731	20,896	39,632	41,761	-79,928	25,006	-5,364
Wyoming	-2,081	2,175	3,197	3,239	-8,570	2,853	-1,029
AGA Regions							
Producing	-58,923	60,442	115,667	133,186	-442,931	52,006	-46,954
Eastern Consuming	-37,154	236,020	315,254	341,195	-573,164	255,676	-27,260
Western Consuming	-29,838	23,685	30,755	71,547	-118,276	42,609	-11,260
Total	-125,916	320,146	461,676	545,928	-1,134,378	350,291	-85,481

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002

(Volumes in Million Cubic Feet) — Continued

State	2001						
	October	September	August	July	June	May	April
Alabama	120	-17	-113	-154	-576	44	-195
Arkansas	-339	-579	-505	-740	-879	-992	-604
California	-14,507	-9,385	-10,941	-20,929	-29,462	-27,438	-17,361
Colorado	753	-5,021	-4,513	-4,182	-4,069	-2,301	660
Illinois	-26,142	-33,582	-23,679	-20,442	-25,936	-30,943	-12,251
Indiana	-3,809	-4,044	-2,916	-3,671	-3,159	-1,372	1,366
Iowa	-11,688	-13,710	-13,505	-10,141	-6,017	-5,532	-2,900
Kansas	-1,268	-17,406	-7,572	-6,556	-13,884	-14,428	-11,364
Kentucky	-5,143	-8,975	-6,409	-9,956	-12,782	-11,456	-4,039
Louisiana	-10,552	-34,844	-13,578	-24,699	-30,405	-25,730	-22,513
Maryland	-1,310	-1,166	518	-2,572	-3,098	-2,653	-1,402
Michigan	-42,469	-72,648	-79,175	-87,034	-80,530	-71,545	-36,155
Minnesota	-174	-232	-259	-328	-319	-152	23
Mississippi	1,082	-4,068	-1,986	-5,355	-6,274	-2,821	-8,549
Missouri	-248	-348	-589	13	-1,063	17	-51
Montana	-1,573	-4,853	-4,966	-5,523	-4,034	-2,902	-1
Nebraska	-361	-1,250	-364	-339	-956	-1,908	-1,077
New Mexico	-173	-891	13	93	-403	-2,645	-1,573
New York	-3,374	-6,343	-5,574	-10,233	-11,212	-13,541	-6,630
Ohio	-9,844	-26,370	-32,266	-37,878	-32,303	-33,094	-15,734
Oklahoma	-4,003	-17,906	-8,596	-10,224	-23,745	-28,938	-23,624
Oregon	0	-852	-1,860	-2,293	-2,561	-2,151	810
Pennsylvania	-18,022	-39,267	-25,406	-50,422	-55,959	-66,462	-43,608
Tennessee	-100	-62	-47	-63	-31	-113	-103
Texas	-21,203	-28,769	-24,185	-21,624	-34,795	-40,985	-43,016
Utah	-280	-7,384	-5,939	-7,179	-6,356	-7,254	-4,428
Virginia	-32	-271	-322	-244	-402	-532	-434
Washington	1,030	-1,450	-1,343	372	-200	-8,283	-2,300
West Virginia	-12,915	-22,496	-25,939	-31,290	-28,838	-39,499	-18,243
Wyoming	-2,113	-3,691	-3,143	-2,866	-1,800	-2,052	-1,073
AGA Regions							
Producing	-36,337	-104,480	-56,521	-69,260	-110,961	-116,493	-111,438
Eastern Consuming	-135,455	-230,533	-215,675	-264,271	-262,286	-278,633	-141,259
Western Consuming	-16,864	-32,867	-32,963	-42,930	-48,800	-52,532	-23,671
Total	-188,656	-367,879	-305,159	-376,461	-422,046	-447,658	-276,368

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002

(Volumes in Million Cubic Feet) — Continued

State	2001			2000			
	March	February	January	Total	December	November	October
Alabama	604	-241	330	430	85	203	142
Arkansas	139	391	785	3,033	2,077	432	-397
California	-14,822	20,542	39,041	47,960	6,493	27,309	-10,735
Colorado	1,787	4,374	4,138	8,613	4,969	4,003	-2,003
Illinois	14,412	43,450	42,940	24,165	49,235	25,535	-33,495
Indiana	2,616	3,544	4,279	3,892	7,120	-608	-4,297
Iowa	3,712	8,167	16,496	13,560	23,122	11,086	-13,898
Kansas	4,933	16,056	-3,218	34,047	25,577	20,998	-18,438
Kentucky	6,901	2,626	6,783	30,198	23,027	11,187	-8,599
Louisiana	5,213	96	30,425	96,201	67,565	12,336	-23,895
Maryland	1,215	2,382	2,235	4,383	5,151	1,323	-288
Michigan	43,738	76,815	66,029	146,588	127,858	48,638	-37,897
Minnesota	154	323	489	306	567	-92	-199
Mississippi	10,930	1,071	2,828	1,853	14,228	4,503	-4,386
Missouri	1,242	379	-255	567	1,078	-191	-353
Montana	1,629	4,504	4,208	13,911	5,173	3,722	51
Nebraska	573	1,456	1,090	4,366	1,124	1,622	-503
New Mexico	-1,851	-1,657	25	-561	418	-295	-905
New York	8,160	11,920	13,182	9,824	17,276	5,062	-4,026
Ohio	22,906	27,160	41,777	48,330	61,149	24,034	-10,060
Oklahoma	415	12,522	24,484	88,353	42,630	16,307	-13,209
Oregon	962	2,264	2,252	212	1,565	849	-720
Pennsylvania	47,171	51,475	69,205	47,204	96,037	21,869	-26,640
Tennessee	69	82	59	59	-12	-86	-114
Texas	2,704	8,957	41,565	127,251	67,839	12,680	-16,995
Utah	-2,807	4,031	12,277	6,537	10,861	9,016	1,000
Virginia	283	92	517	471	789	354	-251
Washington	592	6,110	2,608	1,932	-1,986	3,781	1,188
West Virginia	16,521	26,341	36,787	42,171	55,132	20,788	-11,762
Wyoming	534	2,586	3,225	8,063	3,611	1,933	336
AGA Regions							
Producing	23,088	37,194	97,224	350,177	220,332	66,960	-78,226
Eastern Consuming	169,519	255,889	301,124	376,207	468,171	170,818	-152,040
Western Consuming	-11,971	44,735	68,237	87,535	31,251	50,522	-11,083
Total	180,636	337,818	466,585	813,920	719,754	288,299	-241,349

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002
(Volumes in Million Cubic Feet) — Continued

State	2000					
	September	August	July	June	May	April
Alabama	110	0	-82	-606	-90	66
Arkansas	-268	-680	-649	-444	-698	-287
California	-1,623	19,420	199	-7,106	-11,320	-20,587
Colorado	-2,248	-4,811	-4,606	-4,583	-359	1,385
Illinois	-30,571	-27,776	-27,774	-32,238	-12,923	13,169
Indiana	-3,323	-2,698	-2,195	-1,910	-248	1,377
Iowa	-13,240	-12,021	-11,254	-6,094	-4,620	1,749
Kansas	-16,047	-1,042	-9,926	-9,640	-6,168	2,341
Kentucky	-10,707	-6,537	-10,798	-6,282	-4,150	3,556
Louisiana	-20,965	-12,990	-23,235	-22,813	-4,848	10,011
Maryland	-44	-2,241	-2,005	-2,994	-2,478	-652
Michigan	-46,387	-53,184	-50,105	-45,757	-48,421	-8,924
Minnesota	-266	-277	-343	-132	2	109
Mississippi	-4,632	-3,418	-5,252	-5,228	-4,057	540
Missouri	-711	209	16	19	-26	100
Montana	-958	-2,264	-2,041	-457	522	621
Nebraska	-764	225	-620	1,077	-78	-92
New Mexico	-50	1,040	800	-793	-468	-2,583
New York	-7,909	-7,493	-10,091	-10,009	-8,664	-2,847
Ohio	-23,823	-25,180	-33,397	-30,291	-29,262	-5,232
Oklahoma	-12,480	660	-2,396	-12,742	-9,598	-6,249
Oregon	-720	-2,074	-2,270	-2,101	-893	830
Pennsylvania	-47,265	-32,778	-52,039	-42,636	-52,860	-7,150
Tennessee	-49	0	0	0	0	18
Texas	-12,544	12,106	1,215	-6,612	-1,260	-17,066
Utah	-5,592	-6,633	-6,747	-5,792	-5,613	-4,518
Virginia	-202	-222	-222	-224	-291	-117
Washington	-2,835	909	-3,739	-3,660	-2,639	-893
West Virginia	-24,203	-25,366	-29,171	-23,246	-18,097	-4,493
Wyoming	-360	-897	-553	-1,168	-1,590	116
AGA Regions						
Producing	-66,987	-4,324	-39,442	-58,272	-27,098	-13,293
Eastern Consuming	-209,087	-195,064	-229,737	-201,190	-182,207	-9,473
Western Consuming	-14,602	3,374	-20,100	-24,998	-21,890	-22,936
Total	-290,675	-196,014	-289,278	-284,459	-231,195	-45,702

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2000 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma,

Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State,
April 2002**

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	5,280	2,690	2,106	4,796	1,255	147.4	349	92
Arkansas	22,000	8,715	5,296	14,011	2,171	69.5	208	161
California	475,720	229,895	182,257	412,152	91,044	99.8	22,174	1,494
Colorado	100,227	47,655	20,359	68,014	3,088	17.9	3,843	1,596
Illinois	898,565	666,632	77,962	744,594	-4,648	-5.6	7,159	15,949
Indiana	109,310	77,477	14,969	92,446	-1,121	-7.0	309	2,305
Iowa	273,200	201,750	5,136	206,886	-1,514	-22.8	918	1,281
Kansas	301,502	178,420	43,274	221,694	12,319	39.8	11,012	4,292
Kentucky	219,914	139,882	37,381	177,263	-13,271	-26.2	3,277	3,677
Louisiana	580,037	272,198	165,702	437,901	76,114	85.0	22,116	10,764
Maryland	62,000	46,677	6,516	53,194	2,760	73.5	525	952
Michigan	1,070,717	459,108	274,785	733,893	134,717	96.2	22,619	12,186
Minnesota	7,000	4,840	1,009	5,849	450	80.5	0	134
Mississippi	134,012	77,715	32,094	109,809	1,903	6.3	3,614	2,086
Missouri	31,878	21,600	7,966	29,566	115	1.5	0	215
Montana	371,510	179,526	11,237	190,762	-2,919	-20.6	2,399	3,106
Nebraska	39,469	26,995	2,850	29,845	1,078	60.8	661	400
New Mexico	96,600	29,766	8,962	38,728	1,095	13.9	896	984
New York	175,496	96,341	37,647	133,988	11,062	41.6	3,649	2,190
Ohio	573,784	344,785	50,884	395,669	27,971	122.1	15,692	5,781
Oklahoma	382,037	209,037	92,213	301,250	48,080	108.9	17,633	4,492
Oregon	21,080	9,352	3,438	12,790	2,188	175.1	0	1,648
Pennsylvania	713,818	345,108	188,145	533,253	72,810	63.1	30,986	14,596
Tennessee	1,200	340	650	990	228	54.2	0	0
Texas	699,324	251,775	261,294	513,069	133,089	103.8	43,146	17,181
Utah	129,480	64,601	16,419	81,020	3,183	24.0	4,197	687
Virginia	4,967	2,372	1,090	3,462	127	13.2	163	3
Washington	37,300	19,000	8,751	27,751	1,414	19.3	3,953	143
West Virginia	733,126	276,130	77,816	353,946	50,081	180.6	12,969	2,238
Wyoming	105,869	64,689	20,333	85,022	11,408	127.8	2,383	302
AGA Regions								
Producing	2,220,792	1,030,317	610,941	1,641,258	276,876	82.9	98,975	40,052
Eastern Consuming	4,907,444	2,705,197	783,798	3,488,995	279,545	55.4	98,928	61,773
Western Consuming	1,248,185	619,557	263,803	883,360	109,857	71.4	38,949	9,111
Total	8,376,420	4,355,071	1,658,541	6,013,613	666,278	67.1	236,852	110,935

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				March	February	January
Alabama	23,568	27,281	22,386	7,033	7,640	8,895
Alaska	6,308	5,513	6,003	2,185	1,998	2,125
Arizona	18,788	19,251	16,958	4,531	6,659	7,599
Arkansas	NA	21,579	17,288	NA	7,325	NA
California	201,651	214,572	194,931	58,010	64,134	79,507
Colorado	58,332	60,475	49,290	17,031	19,643	21,658
Connecticut	NA	20,775	19,499	4,736	NA	^R 6,197
Delaware	4,368	5,223	4,640	1,286	1,385	1,697
District of Columbia	5,959	8,101	7,650	1,648	1,988	2,324
Florida	6,362	7,496	6,304	1,954	1,893	2,516
Georgia	54,769	62,462	55,230	13,698	19,102	21,969
Hawaii	145	140	146	48	48	49
Idaho	9,974	9,331	8,344	2,797	3,442	3,735
Illinois	201,651	219,583	194,161	65,402	^R 64,032	72,217
Indiana	70,325	79,531	72,728	21,786	21,741	26,798
Iowa	32,736	38,972	32,720	10,467	10,288	11,981
Kansas	35,135	41,649	33,153	10,662	11,197	13,277
Kentucky	27,638	30,785	28,006	8,162	9,346	10,130
Louisiana	NA	27,510	21,151	NA	NA	8,322
Maine	414	472	447	134	138	141
Maryland	NA	42,403	38,358	9,704	NA	NA
Massachusetts	48,296	58,067	53,617	14,639	16,360	17,297
Michigan	158,778	179,719	166,448	49,969	49,807	59,002
Minnesota	57,286	63,507	54,996	19,906	16,809	20,571
Mississippi	13,943	16,083	12,549	4,154	3,929	5,860
Missouri	56,930	68,048	55,113	16,977	18,792	21,161
Montana	9,319	9,189	8,275	3,207	2,799	3,313
Nebraska	21,173	23,587	19,698	6,223	6,220	8,729
Nevada	16,161	14,925	12,559	3,726	5,642	6,793
New Hampshire	3,034	3,517	3,531	934	1,053	1,047
New Jersey	87,044	108,765	101,017	22,442	30,266	34,336
New Mexico	15,085	14,432	12,992	3,694	6,135	5,256
New York	159,615	194,208	181,693	50,929	52,455	56,231
North Carolina	29,354	32,061	31,727	7,872	9,570	11,913
North Dakota	5,053	4,982	4,930	1,761	1,455	1,837
Ohio	146,089	166,850	154,673	45,040	47,274	53,775
Oklahoma	NA	35,729	30,351	NA	12,908	NA
Oregon	17,834	17,313	17,446	5,257	6,096	6,480
Pennsylvania	102,247	129,309	120,401	31,719	33,327	37,202
Rhode Island	NA	9,318	8,937	2,976	2,648	NA
South Carolina	14,819	15,846	14,884	4,261	4,632	5,926
South Dakota	5,691	6,107	5,280	1,941	1,726	2,024
Tennessee	38,441	39,652	33,252	11,326	12,157	14,959
Texas	102,345	117,170	82,691	30,253	29,456	42,635
Utah	27,539	23,839	22,150	7,740	9,276	10,522
Vermont	1,206	1,410	1,371	346	441	419
Virginia	34,043	40,800	37,568	9,394	11,122	13,527
Washington	NA	30,948	30,958	NA	NA	11,306
West Virginia	NA	16,808	15,930	5,605	5,765	NA
Wisconsin	59,299	68,122	56,758	20,423	17,975	20,900
Wyoming	NA	4,812	4,787	NA	1,439	2,365
Total	2,184,135	2,458,225	2,185,973	660,226	^R 703,134	^R 820,776

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	Total	December	November	October	September	August
Alabama	47,543	4,341	2,986	1,711	1,130	1,151
Alaska	16,788	2,783	2,185	1,661	818	538
Arizona	36,122	5,012	1,653	1,153	1,025	985
Arkansas	NA	NA	NA	1,615	812	849
California	508,265	63,738	38,751	28,974	21,170	22,303
Colorado	123,893	17,192	8,570	4,079	2,816	2,462
Connecticut	NA	NA	NA	2,120	883	1,007
Delaware	9,379	833	628	341	187	164
District of Columbia	14,297	1,353	950	471	331	313
Florida	15,623	1,202	985	764	700	702
Georgia	123,342	17,132	8,841	8,108	3,928	3,608
Hawaii	537	47	43	40	43	41
Idaho	19,076	2,820	1,597	712	423	341
Illinois	NA	NA	34,296	26,298	12,207	8,969
Indiana	NA	18,917	11,418	7,965	NA	NA
Iowa	71,305	9,450	4,785	3,523	1,585	1,316
Kansas	70,546	8,416	3,837	2,057	1,573	1,539
Kentucky	56,778	9,494	5,087	3,162	1,371	1,098
Louisiana	NA	NA	NA	NA	NA	NA
Maine	NA	132	NA	54	32	25
Maryland	NA	NA	6,205	5,110	NA	1,819
Massachusetts	109,204	8,703	6,927	4,565	2,858	2,366
Michigan	352,143	41,753	28,909	19,055	8,651	6,298
Minnesota	124,890	17,729	9,659	7,548	3,204	2,630
Mississippi	27,556	2,798	1,887	914	616	651
Missouri	115,618	13,235	6,963	3,838	2,524	2,166
Montana	20,102	2,946	1,838	1,158	502	404
Nebraska	45,378	4,191	4,793	1,742	870	905
Nevada	32,609	5,895	2,186	1,251	1,033	995
New Hampshire	6,947	766	492	302	185	149
New Jersey	208,449	23,913	15,898	9,200	5,254	4,821
New Mexico	32,374	6,493	2,933	1,561	1,003	839
New York	379,337	36,073	24,853	15,401	9,861	9,371
North Carolina	57,250	6,402	4,563	2,498	1,078	942
North Dakota	10,674	1,712	1,010	779	266	282
Ohio	314,033	37,549	23,958	16,164	6,867	6,140
Oklahoma	62,545	7,707	3,417	1,897	1,275	1,283
Oregon	38,369	5,275	3,343	1,443	918	905
Pennsylvania	240,614	27,155	17,649	11,241	5,392	4,960
Rhode Island	17,937	1,609	1,153	617	506	450
South Carolina	26,955	2,516	2,054	887	512	470
South Dakota	12,295	1,795	970	668	278	276
Tennessee	66,745	8,112	4,579	2,221	1,264	1,146
Texas	221,573	31,816	13,981	8,436	5,565	7,779
Utah	55,331	10,135	5,608	3,489	1,610	1,448
Vermont	2,719	270	203	91	67	54
Virginia	71,151	7,355	5,335	3,174	1,493	1,580
Washington	84,668	15,978	11,144	5,692	1,864	1,731
West Virginia	33,302	5,098	3,187	1,622	775	462
Wisconsin	130,302	18,656	9,669	8,093	3,736	2,418
Wyoming	11,064	1,511	1,048	722	274	249
Total	4,814,678	607,711	363,649	239,267	129,089	117,764

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	1,149	1,297	1,893	4,605	5,643	8,644
Alaska	519	609	980	1,182	1,813	1,824
Arizona	1,055	1,267	1,896	2,824	5,439	7,072
Arkansas	1,023	857	1,954	2,373	5,362	6,443
California	23,989	22,861	30,433	41,474	58,633	71,182
Colorado	3,044	4,464	8,234	12,557	17,892	20,481
Connecticut	803	1,208	1,309	3,644	6,135	6,215
Delaware	219	275	461	1,048	1,564	1,715
District of Columbia	351	442	595	1,390	2,178	2,544
Florida	728	781	955	1,310	1,510	2,635
Georgia	3,674	3,819	4,742	7,029	17,069	16,513
Hawaii	44	47	46	47	49	43
Idaho	412	584	1,063	1,794	2,379	3,455
Illinois	9,918	11,443	14,452	26,454	61,269	72,405
Indiana	NA	NA	NA	10,918	21,871	24,627
Iowa	1,546	1,929	2,639	5,559	11,095	13,101
Kansas	1,536	1,743	2,437	5,758	11,650	12,213
Kentucky	1,031	954	1,307	2,488	9,204	8,955
Louisiana	NA	1,719	2,183	3,698	5,473	8,840
Maine	25	22	49	61	143	154
Maryland	1,809	2,207	3,035	6,713	11,619	12,948
Massachusetts	2,765	3,514	5,835	13,605	18,455	18,490
Michigan	7,084	10,690	16,531	33,454	55,739	55,540
Minnesota	2,730	3,485	4,833	9,565	17,617	22,678
Mississippi	735	773	1,142	1,958	3,199	4,981
Missouri	2,366	3,043	3,840	9,594	17,971	21,190
Montana	416	696	1,047	1,906	2,583	3,330
Nebraska	950	1,180	2,564	4,596	6,229	7,494
Nevada	1,041	1,174	1,640	2,470	3,974	5,415
New Hampshire	154	214	386	784	1,061	1,132
New Jersey	4,780	6,006	9,242	20,570	32,905	33,583
New Mexico	1,008	966	1,190	1,948	2,762	5,561
New York	9,969	14,262	22,366	42,975	59,507	64,028
North Carolina	1,082	1,544	2,045	5,034	7,881	9,527
North Dakota	215	246	366	818	1,267	1,934
Ohio	7,420	8,794	12,305	27,986	48,453	51,889
Oklahoma	1,524	1,767	2,512	5,434	9,987	12,033
Oregon	1,095	1,508	2,653	3,916	5,048	5,941
Pennsylvania	5,108	6,222	10,195	23,385	38,071	39,900
Rhode Island	476	644	1,030	2,133	2,881	2,966
South Carolina	492	567	992	2,620	3,238	4,689
South Dakota	247	369	547	1,039	1,770	2,172
Tennessee	1,161	1,288	1,970	5,352	9,693	10,443
Texas	5,729	6,979	8,492	15,626	25,405	38,785
Utah	1,411	1,782	1,888	4,120	5,561	8,187
Vermont	65	96	146	316	420	446
Virginia	1,520	1,805	2,377	5,712	10,828	12,695
Washington	2,113	3,021	4,899	7,278	8,883	10,980
West Virginia	398	456	994	3,502	4,443	5,442
Wisconsin	2,930	3,410	4,725	8,545	21,640	22,782
Wyoming	240	440	610	1,158	1,101	1,846
Total	125,008	148,903	214,738	410,325	686,559	788,090

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	12,994	45,794	8,385	2,900	1,700	1,160
Alaska	1,876	15,979	2,013	1,748	1,454	927
Arizona	6,739	34,740	5,704	2,787	1,070	971
Arkansas	9,773	42,361	10,480	5,332	1,487	1,154
California	84,757	516,730	68,470	52,106	31,757	24,496
Colorado	22,102	116,363	20,693	10,855	5,520	2,706
Connecticut	8,425	41,534	6,755	3,793	2,262	979
Delaware	1,943	9,467	1,404	615	270	172
District of Columbia	3,379	15,437	2,557	1,069	553	376
Florida	3,351	15,133	1,940	994	829	700
Georgia	28,880	140,838	34,149	15,912	6,682	4,164
Hawaii	48	535	44	42	41	41
Idaho	3,497	19,131	3,272	2,147	859	484
Illinois	85,909	467,052	99,546	55,919	21,839	12,373
Indiana	33,033	160,027	32,663	15,481	6,732	3,955
Iowa	14,777	73,825	15,570	8,096	3,114	1,710
Kansas	17,787	70,589	14,343	5,601	2,523	1,578
Kentucky	12,626	64,662	15,301	8,161	2,793	1,446
Louisiana	13,197	49,744	9,497	4,251	2,204	1,714
Maine	175	1,037	176	96	63	32
Maryland	17,836	84,082	15,652	8,114	3,809	2,058
Massachusetts	21,123	114,077	16,794	9,077	4,856	2,942
Michigan	68,440	365,661	64,432	31,636	17,518	9,240
Minnesota	23,212	129,487	26,737	14,839	6,141	3,252
Mississippi	7,902	26,656	5,308	1,725	1,063	707
Missouri	28,888	115,353	23,334	9,293	4,019	2,505
Montana	3,276	20,072	3,475	2,406	1,305	609
Nebraska	9,864	41,715	6,890	3,620	1,877	1,048
Nevada	5,536	29,942	4,950	3,228	1,399	1,085
New Hampshire	1,324	7,274	1,033	566	302	182
New Jersey	42,276	219,878	37,333	20,021	10,449	5,939
New Mexico	6,109	35,921	6,450	4,663	2,505	1,217
New York	70,672	404,203	61,679	34,303	18,879	11,268
North Carolina	14,653	63,897	12,523	5,969	2,450	1,052
North Dakota	1,781	10,963	1,904	1,120	585	251
Ohio	66,508	343,302	68,382	32,751	15,897	7,667
Oklahoma	13,710	66,581	14,022	5,593	2,339	1,489
Oregon	6,324	38,698	6,028	3,552	1,572	977
Pennsylvania	51,338	262,770	46,947	23,666	12,517	6,985
Rhode Island	3,471	18,655	2,487	1,262	722	506
South Carolina	7,919	29,057	6,012	2,023	1,007	533
South Dakota	2,165	12,608	2,621	1,375	601	277
Tennessee	19,516	67,950	15,034	5,172	2,367	1,216
Texas	52,979	193,149	38,534	15,788	8,306	5,793
Utah	10,092	55,626	9,652	8,379	3,824	2,415
Vermont	544	2,843	376	210	124	72
Virginia	17,278	79,701	15,690	8,190	3,287	1,712
Washington	11,085	71,779	10,887	6,796	3,234	2,023
West Virginia	6,923	31,602	5,331	2,177	1,372	599
Wisconsin	23,699	135,023	27,792	15,542	6,848	3,593
Wyoming	1,865	12,177	2,076	1,302	743	386
Total	983,576	4,991,678	913,328	482,262	235,670	140,734

^R Revised Data.^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				March	February	January
Alabama	14,020	12,237	10,425	6,489	3,530	4,000
Alaska	5,583	5,729	8,952	1,831	1,782	1,970
Arizona	12,037	11,205	11,072	3,482	4,105	4,450
Arkansas	NA	NA	12,385	NA	7,636	NA
California	75,599	76,348	75,268	22,685	24,573	28,341
Colorado	28,427	31,331	24,268	8,062	9,076	11,290
Connecticut	NA	18,343	18,193	4,916	NA	^R 5,464
Delaware	3,549	3,104	2,252	1,618	892	1,039
District of Columbia	6,686	6,898	6,687	2,030	2,204	2,452
Florida	15,257	15,336	14,189	5,175	4,782	5,299
Georgia	22,092	23,091	21,946	5,826	7,566	8,700
Hawaii	421	459	452	138	138	145
Idaho	7,028	6,149	5,450	2,091	2,493	^R 2,444
Illinois	84,175	90,747	81,653	27,134	^R 26,191	30,850
Indiana	35,002	NA	37,457	10,863	11,356	12,783
Iowa	20,234	23,286	18,597	6,436	6,362	7,436
Kansas	17,624	20,537	16,986	5,301	5,633	6,690
Kentucky	16,522	18,333	16,150	5,481	5,567	5,473
Louisiana	NA	NA	8,838	NA	4,524	4,382
Maine	2,115	1,248	1,224	679	701	735
Maryland	NA	23,277	22,766	6,951	NA	NA
Massachusetts	28,823	27,074	25,480	8,517	10,392	9,914
Michigan	70,620	85,583	80,390	20,604	24,282	25,734
Minnesota	39,516	44,471	38,621	15,394	11,181	12,941
Mississippi	8,635	9,743	7,877	2,592	2,814	3,229
Missouri	29,307	34,088	28,268	8,756	9,749	10,802
Montana	6,235	6,022	5,500	2,076	1,898	2,260
Nebraska	11,957	12,665	11,784	4,044	4,328	3,584
Nevada	9,020	8,219	8,256	2,730	2,789	3,502
New Hampshire	3,762	3,794	3,643	1,195	1,296	1,272
New Jersey	53,809	65,185	68,773	14,247	18,908	20,655
New Mexico	11,054	10,519	10,133	3,415	3,981	3,658
New York	99,903	107,038	123,755	32,526	33,808	33,569
North Carolina	16,650	17,656	18,572	4,775	5,587	6,287
North Dakota	NA	4,649	4,476	NA	1,374	2,242
Ohio	68,983	87,824	78,637	22,678	23,735	22,570
Oklahoma	NA	25,041	17,055	NA	6,986	NA
Oregon	12,271	11,726	11,803	3,449	3,969	4,853
Pennsylvania	57,505	65,616	64,051	17,933	19,527	20,045
Rhode Island	NA	5,961	5,620	NA	1,641	NA
South Carolina	8,216	8,327	8,214	2,461	2,739	3,016
South Dakota	4,241	4,592	4,273	1,414	1,309	1,518
Tennessee	23,019	25,685	23,739	6,459	7,390	9,170
Texas	62,570	108,717	59,998	22,571	16,135	23,864
Utah	15,318	13,422	12,387	4,189	5,275	5,854
Vermont	1,039	1,177	1,190	294	383	362
Virginia	24,762	25,356	26,170	7,654	8,130	8,978
Washington	NA	19,478	19,330	NA	NA	8,814
West Virginia	13,020	10,517	10,294	4,376	3,986	4,658
Wisconsin	33,836	39,067	32,676	11,404	10,392	12,040
Wyoming	4,546	4,197	3,912	1,391	994	2,161
Total	1,202,438	1,341,729	1,230,087	376,661	^R 392,027	^R 433,750

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	Total	December	November	October	September	August
Alabama	26,344	2,291	1,816	1,625	1,177	1,101
Alaska	18,327	2,533	2,148	1,687	998	856
Arizona	31,601	3,722	2,313	1,882	1,834	1,767
Arkansas	NA	NA	NA	4,472	4,038	3,787
California	247,188	25,418	18,980	18,243	16,253	17,221
Colorado	68,209	9,083	4,633	2,598	2,033	1,799
Connecticut	NA	NA	NA	2,263	NA	1,949
Delaware	6,218	571	433	317	203	175
District of Columbia	16,657	1,515	1,224	801	781	628
Florida	50,046	4,332	4,172	3,748	3,666	3,475
Georgia	51,713	6,450	4,086	3,607	2,245	2,138
Hawaii	1,749	136	137	138	145	140
Idaho	14,205	1,932	1,133	657	485	502
Illinois	NA	NA	14,389	12,107	7,862	6,349
Indiana	NA	9,205	6,280	5,007	NA	NA
Iowa	NA	NA	3,552	2,881	1,613	995
Kansas	38,930	4,255	2,290	1,571	1,369	1,451
Kentucky	35,555	4,618	2,829	1,783	1,147	1,124
Louisiana	NA	NA	NA	NA	NA	NA
Maine	^R 2,558	^R 329	^R 256	140	84	69
Maryland	NA	NA	4,066	3,538	NA	2,184
Massachusetts	NA	NA	4,722	3,222	2,785	2,321
Michigan	175,657	19,320	13,386	9,549	6,002	5,163
Minnesota	^R 92,616	^R 12,119	6,442	6,089	2,999	2,955
Mississippi	NA	1,964	NA	1,211	NA	1,124
Missouri	64,937	7,426	4,148	2,767	2,147	1,991
Montana	13,311	1,771	1,147	725	387	363
Nebraska	26,911	3,183	1,677	1,020	963	909
Nevada	22,825	2,788	1,795	1,407	1,236	1,255
New Hampshire	NA	NA	NA	262	233	219
New Jersey	136,617	14,245	10,385	6,907	5,181	4,278
New Mexico	24,864	3,348	1,469	1,390	1,044	967
New York	332,059	25,122	20,263	20,321	25,847	24,807
North Carolina	38,555	4,053	2,971	2,299	1,660	1,478
North Dakota	10,552	1,641	1,006	788	325	316
Ohio	171,937	20,210	11,018	9,910	5,598	4,650
Oklahoma	51,827	4,733	3,152	2,704	2,890	1,954
Oregon	43,665	3,349	4,673	4,063	3,562	3,492
Pennsylvania	137,064	15,610	10,145	8,349	4,770	4,235
Rhode Island	12,805	1,223	935	636	491	464
South Carolina	20,599	1,868	1,597	1,300	1,117	1,063
South Dakota	9,710	1,379	780	600	282	295
Tennessee	49,973	4,663	3,064	2,297	2,025	1,738
Texas	289,768	25,052	18,635	18,561	17,043	18,867
Utah	31,206	5,296	2,895	1,850	982	932
Vermont	2,473	241	189	108	92	72
Virginia	59,344	6,519	5,205	3,752	2,944	2,757
Washington	NA	9,237	NA	NA	8,576	8,523
West Virginia	27,803	3,713	2,577	2,563	1,288	1,138
Wisconsin	78,833	10,359	5,906	5,292	2,592	2,007
Wyoming	^R 9,195	939	1,049	584	299	203
Total	^R3,199,302	^R341,962	^R235,293	202,147	161,214	152,454

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	1,079	1,194	1,504	2,319	2,949	3,903
Alaska	814	873	1,279	1,410	1,894	1,839
Arizona	1,781	1,972	2,317	2,810	3,466	3,759
Arkansas	NA	NA	NA	NA	NA	NA
California	15,534	15,716	16,985	26,490	22,690	25,858
Colorado	2,251	2,917	4,718	6,845	9,385	10,179
Connecticut	1,632	2,471	2,386	4,268	5,652	5,993
Delaware	197	242	312	663	1,007	952
District of Columbia	903	851	1,119	1,937	2,198	2,271
Florida	3,462	3,641	3,973	4,240	4,551	5,257
Georgia	2,118	2,174	2,443	3,362	6,576	6,486
Hawaii	148	151	145	150	154	151
Idaho	572	660	922	1,193	1,594	2,238
Illinois	6,170	6,217	7,787	12,159	26,168	30,068
Indiana	NA	NA	NA	5,485	NA	NA
Iowa	NA	1,425	1,811	3,538	6,633	7,762
Kansas	1,576	1,282	1,491	3,107	5,747	6,595
Kentucky	1,023	937	1,402	2,360	4,906	5,480
Louisiana	NA	1,742	1,861	2,238	NA	3,437
Maine	68	64	107	194	358	408
Maryland	2,317	2,415	2,905	4,619	6,629	7,092
Massachusetts	2,157	2,668	3,908	6,724	8,588	8,839
Michigan	5,218	6,157	8,669	16,610	25,979	27,509
Minnesota	2,773	3,170	4,156	7,444	13,019	15,176
Mississippi	1,060	1,019	1,175	1,579	2,486	3,000
Missouri	2,064	2,206	2,705	5,395	9,201	10,942
Montana	383	492	767	1,254	965	2,796
Nebraska	1,040	1,132	1,508	2,814	4,218	4,666
Nevada	1,254	1,347	1,553	1,970	2,549	2,817
New Hampshire	128	190	510	990	1,201	1,405
New Jersey	4,881	4,463	7,525	13,566	19,385	21,369
New Mexico	1,020	1,087	1,420	2,600	2,510	3,989
New York	22,619	30,702	29,525	25,816	33,461	36,187
North Carolina	1,606	1,594	2,047	3,190	4,630	5,346
North Dakota	336	280	400	810	1,078	1,791
Ohio	5,159	5,389	7,509	14,670	24,756	29,422
Oklahoma	2,358	2,353	2,594	4,048	7,353	8,443
Oregon	4,058	3,956	2,032	2,755	3,470	3,967
Pennsylvania	4,128	5,025	6,681	12,504	20,029	20,575
Rhode Island	460	511	743	1,382	1,882	1,930
South Carolina	1,067	1,109	1,317	1,834	2,195	2,542
South Dakota	268	303	410	802	1,404	1,676
Tennessee	2,022	1,907	2,173	4,400	6,121	7,729
Texas	16,616	16,834	27,570	21,873	29,807	35,900
Utah	934	973	1,385	2,538	3,315	4,551
Vermont	74	108	136	276	356	374
Virginia	2,512	2,553	3,035	4,711	7,199	7,950
Washington	9,290	9,848	3,863	4,948	5,683	6,745
West Virginia	832	1,297	1,241	2,637	2,969	3,379
Wisconsin	2,314	2,559	3,161	5,576	12,678	12,640
Wyoming	247	344	469	^R 863	1,212	1,378
Total	145,638	161,964	189,575	^R267,326	388,081	440,585

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	5,385	25,344	3,814	1,867	1,398	1,109
Alaska	1,995	26,424	3,068	2,636	2,618	1,569
Arizona	3,981	32,211	3,650	2,403	2,020	1,914
Arkansas	NA	33,181	6,255	3,970	1,525	1,097
California	27,800	250,947	24,997	24,057	17,276	17,990
Colorado	11,768	60,909	9,864	5,955	3,529	1,823
Connecticut	6,697	48,579	6,598	4,338	3,116	2,212
Delaware	1,145	5,127	704	421	234	58
District of Columbia	2,429	17,744	2,174	1,236	955	889
Florida	5,528	47,973	4,774	3,954	3,523	3,348
Georgia	10,029	59,334	11,102	5,923	3,064	2,293
Hawaii	154	1,771	145	152	146	145
Idaho	2,318	13,451	2,117	1,415	690	507
Illinois	34,511	201,835	37,604	21,467	10,550	7,544
Indiana	NA	90,427	17,488	8,877	4,729	3,340
Iowa	8,891	45,597	9,008	4,830	2,241	1,462
Kansas	8,195	39,650	7,127	3,348	1,733	1,516
Kentucky	7,947	38,670	8,089	4,089	1,804	1,247
Louisiana	4,456	25,673	3,596	2,152	1,561	1,346
Maine	^R 481	2,770	439	249	154	81
Maryland	9,556	55,748	8,042	4,816	2,747	2,392
Massachusetts	9,648	63,798	8,390	5,170	3,243	3,414
Michigan	32,095	186,084	29,408	15,210	9,262	6,629
Minnesota	16,275	94,536	16,756	10,478	5,030	3,217
Mississippi	4,257	21,379	3,336	1,799	1,349	1,128
Missouri	13,945	62,856	10,701	4,989	3,110	1,821
Montana	2,261	13,538	2,131	1,471	835	459
Nebraska	3,782	28,462	5,212	2,112	1,228	998
Nevada	2,853	25,637	2,771	2,431	1,775	1,542
New Hampshire	1,187	8,323	977	931	417	295
New Jersey	24,431	158,544	22,681	12,531	6,986	4,203
New Mexico	4,021	27,609	3,945	2,589	1,548	1,567
New York	37,390	410,454	40,591	32,761	29,652	30,697
North Carolina	7,680	43,105	6,823	3,963	2,192	1,694
North Dakota	1,780	10,795	1,961	1,136	564	326
Ohio	33,647	178,024	31,211	16,280	8,257	5,104
Oklahoma	9,246	43,347	7,351	3,413	2,057	1,956
Oregon	4,288	28,643	4,076	2,457	1,430	1,148
Pennsylvania	25,012	145,364	23,427	13,074	7,835	5,110
Rhode Island	2,149	12,998	1,749	999	667	479
South Carolina	3,589	22,107	3,148	1,784	1,354	1,180
South Dakota	1,512	10,120	1,920	1,066	476	288
Tennessee	11,835	53,202	8,430	4,422	2,431	2,238
Texas	43,011	185,828	24,896	14,895	11,451	11,707
Utah	5,556	31,426	5,205	4,320	2,000	1,308
Vermont	447	2,595	327	212	127	87
Virginia	10,207	66,161	10,029	6,545	3,840	2,763
Washington	7,049	50,573	6,488	5,338	2,558	2,073
West Virginia	4,169	26,168	3,536	2,209	1,634	1,211
Wisconsin	13,749	81,146	15,464	9,095	4,300	2,542
Wyoming	1,608	9,767	1,368	1,079	633	383
Total	^R 513,063	3,225,955	474,960	292,916	183,855	151,449

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				March	February	January
Alabama	44,832	43,813	52,912	12,915	15,858	16,058
Alaska	17,078	18,835	19,188	5,085	5,757	6,235
Arizona	5,505	7,025	6,267	1,752	1,804	1,949
Arkansas	29,449	NA	38,159	10,569	9,546	9,333
California	244,755	336,642	269,432	84,892	74,271	85,592
Colorado	NA	25,784	25,136	15,930	NA	NA
Connecticut	NA	6,440	10,885	NA	2,202	3,132
Delaware	5,345	7,493	9,273	1,162	1,916	2,266
District of Columbia	0	0	0	0	0	0
Florida	33,628	29,964	36,979	11,519	10,653	11,457
Georgia	36,548	35,439	44,243	12,880	11,711	11,957
Hawaii	121	138	136	39	40	42
Idaho *	7,879	8,704	8,978	2,561	2,553	2,765
Illinois	84,778	88,784	101,225	30,251	27,460	27,067
Indiana	75,011	77,416	90,831	24,920	24,365	25,727
Iowa	24,678	27,430	28,503	8,183	7,896	8,599
Kansas	23,309	26,345	26,813	8,086	7,503	7,720
Kentucky	25,917	26,638	30,348	8,487	8,622	8,808
Louisiana	208,227	267,545	223,842	68,783	66,125	73,319
Maine	29	496	998	28	0	1
Maryland	NA	9,715	11,382	3,901	NA	NA
Massachusetts	32,921	38,353	41,409	12,909	8,062	11,950
Michigan	80,463	86,850	94,953	25,610	27,215	27,638
Minnesota	22,015	25,151	30,822	7,427	7,021	7,568
Mississippi	25,172	25,869	31,576	8,849	7,921	8,402
Missouri	19,384	22,337	20,996	7,033	5,870	6,480
Montana	6,027	6,886	7,573	1,881	2,074	2,071
Nebraska	8,641	8,972	10,846	2,280	3,117	3,244
Nevada	19,940	12,213	8,609	7,404	7,311	5,225
New Hampshire	926	1,055	1,430	350	267	309
New Jersey	47,166	43,128	58,673	16,102	15,497	15,567
New Mexico	5,092	7,615	6,479	1,517	1,905	1,670
New York	69,661	76,990	83,749	23,648	23,697	22,316
North Carolina	26,567	20,663	29,511	8,953	8,759	8,856
North Dakota	3,401	4,093	3,680	1,119	866	1,417
Ohio	73,287	91,595	100,793	23,935	24,122	25,231
Oklahoma	NA	37,417	45,844	NA	11,107	9,970
Oregon	24,984	26,261	29,938	8,509	8,691	7,783
Pennsylvania	60,236	60,632	72,377	19,674	18,795	21,767
Rhode Island	14,622	11,834	17,063	4,075	4,646	5,901
South Carolina	25,466	16,916	26,931	8,558	8,373	8,535
South Dakota	1,176	2,184	1,365	486	318	372
Tennessee	32,323	34,939	32,970	9,345	11,755	11,223
Texas	NA	464,943	488,477	NA	178,887	193,626
Utah	7,459	9,233	11,178	2,353	2,450	2,655
Vermont	963	664	947	311	317	335
Virginia	18,217	17,917	25,584	5,208	6,429	6,581
Washington	NA	33,946	33,989	9,677	NA	9,058
West Virginia	NA	10,865	12,898	1,565	1,498	NA
Wisconsin	45,260	51,842	50,882	15,417	14,101	15,743
Wyoming	7,724	8,015	11,986	1,943	2,722	3,058
Total	2,209,553	2,333,974	2,429,060	728,674	716,344	764,536

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	Total	December	November	October	September	August
Alabama	168,427	14,034	11,744	14,890	13,879	14,386
Alaska	72,352	5,757	5,339	5,720	6,144	6,807
Arizona	25,912	2,138	1,814	1,676	1,825	1,984
Arkansas	NA	9,521	8,999	9,645	7,587	7,323
California	1,325,103	98,074	88,425	103,404	116,352	126,970
Colorado	82,567	6,041	6,442	4,903	4,715	5,951
Connecticut	24,757	1,602	2,042	2,107	1,837	1,885
Delaware	25,769	2,106	2,317	2,529	1,999	1,838
District of Columbia	0	0	0	0	0	0
Florida	127,590	10,286	11,437	10,498	11,215	10,777
Georgia	150,311	11,565	11,656	13,489	12,719	14,785
Hawaii	532	42	37	41	39	47
Idaho ^a	29,794	2,539	2,462	2,377	2,135	2,002
Illinois	NA	NA	24,037	25,415	18,871	23,273
Indiana	NA	23,373	21,048	21,265	NA	20,496
Iowa	NA	NA	8,271	7,856	7,091	7,311
Kansas	95,009	7,414	7,277	6,766	8,638	9,968
Kentucky	93,411	8,611	8,039	7,233	6,978	6,507
Louisiana	NA	99,828	NA	94,692	91,332	90,898
Maine	^R 2,414	^R 332	^R 261	308	210	208
Maryland	NA	NA	4,224	3,174	NA	4,579
Massachusetts	NA	NA	10,883	11,256	10,391	12,636
Michigan	292,033	26,295	25,389	22,066	19,333	20,378
Minnesota	87,449	7,574	7,868	7,598	7,652	6,898
Mississippi	NA	7,984	NA	6,995	7,692	7,464
Missouri	69,243	7,387	5,448	5,059	4,406	4,993
Montana	20,884	1,969	2,086	1,555	1,239	1,334
Nebraska	39,200	3,079	3,909	2,532	3,375	3,739
Nevada	49,174	4,184	4,115	5,412	4,761	5,416
New Hampshire	NA	NA	354	321	253	201
New Jersey	189,987	15,291	17,125	16,676	17,330	18,019
New Mexico	34,676	2,363	2,436	1,905	1,972	2,095
New York	NA	NA	NA	22,284	NA	25,872
North Carolina	88,705	8,442	7,954	8,989	7,394	7,839
North Dakota	17,788	1,122	1,070	1,463	1,361	1,797
Ohio	285,933	28,054	23,139	22,320	19,690	18,118
Oklahoma	122,795	8,183	7,796	8,660	7,338	7,483
Oregon	99,393	8,257	7,852	12,016	7,469	7,091
Pennsylvania	216,124	19,828	18,003	17,709	18,151	17,375
Rhode Island	59,140	6,000	4,522	5,999	5,777	6,065
South Carolina	79,366	7,761	7,229	8,408	6,827	7,129
South Dakota	6,863	370	361	374	402	444
Tennessee	134,764	12,127	11,657	13,539	9,259	10,472
Texas	1,996,502	182,209	171,698	189,280	179,624	184,357
Utah	33,858	2,423	2,588	3,045	2,730	2,367
Vermont	^R 2,659	316	266	240	202	181
Virginia	NA	9,776	NA	NA	8,702	9,294
Washington	NA	8,157	9,297	NA	10,194	11,258
West Virginia	40,979	3,498	4,599	2,609	3,606	3,070
Wisconsin	148,926	13,889	12,256	12,491	9,914	9,662
Wyoming	30,142	2,872	2,629	2,671	2,403	2,374
Total	^R 8,980,940	^R 764,402	^R 729,581	770,292	740,851	773,415

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	13,740	13,425	14,493	14,024	15,721	14,026
Alaska	6,637	5,235	5,728	6,151	6,487	5,805
Arizona	2,804	2,266	2,379	2,002	2,267	2,460
Arkansas	8,129	NA	9,809	10,024	10,593	NA
California	117,280	113,462	114,391	110,102	109,447	108,390
Colorado	5,309	8,162	6,636	8,626	8,042	8,039
Connecticut	2,365	2,111	2,302	2,065	2,199	2,053
Delaware	1,865	1,839	1,579	2,205	2,354	2,588
District of Columbia	0	0	0	0	0	0
Florida	11,725	10,326	10,925	10,437	10,251	9,233
Georgia	13,086	11,733	12,021	13,820	13,094	11,511
Hawaii	50	46	46	47	44	43
Idaho ^a	2,309	2,286	2,320	2,661	2,777	2,826
Illinois	24,006	20,129	24,389	23,815	29,170	29,292
Indiana	NA	19,065	19,635	20,256	25,296	24,195
Iowa	NA	6,987	7,912	8,120	9,066	8,810
Kansas	8,833	6,545	5,682	7,543	8,424	8,460
Kentucky	6,648	6,391	6,533	9,833	7,311	8,595
Louisiana	86,065	77,954	82,603	86,434	93,389	86,299
Maine	186	195	167	51	76	314
Maryland	3,311	3,458	3,072	3,100	3,649	2,909
Massachusetts	10,817	10,866	12,359	11,603	11,651	13,239
Michigan	20,990	21,823	22,132	26,777	29,494	27,728
Minnesota	5,898	5,750	5,771	7,290	8,357	8,061
Mississippi	7,299	7,475	7,919	7,940	9,236	6,432
Missouri	4,870	4,496	4,620	5,627	5,699	7,933
Montana	1,494	1,227	1,228	1,867	2,220	2,222
Nebraska	5,233	2,615	2,590	3,156	2,770	2,967
Nevada	4,251	3,878	2,622	2,322	3,628	4,466
New Hampshire	266	277	397	163	378	336
New Jersey	17,198	15,245	14,195	15,781	15,033	13,187
New Mexico	6,145	3,297	3,553	3,296	2,625	2,536
New York	23,321	24,819	22,445	25,583	26,460	25,367
North Carolina	6,997	7,026	6,697	6,704	7,491	6,309
North Dakota	815	2,014	1,855	2,198	1,231	1,553
Ohio	19,353	19,767	20,690	23,206	28,172	28,382
Oklahoma	10,603	10,182	12,669	12,464	12,596	14,486
Oregon	6,978	7,633	7,637	8,199	8,910	9,919
Pennsylvania	15,310	14,559	16,638	17,920	20,217	19,879
Rhode Island	5,269	4,852	5,197	3,625	5,389	2,954
South Carolina	6,652	6,245	6,103	6,097	6,657	5,548
South Dakota	527	513	822	866	861	720
Tennessee	9,870	10,227	10,118	12,554	11,605	11,208
Texas	188,612	135,066	143,541	157,172	164,043	147,429
Utah	2,640	2,866	2,965	3,001	2,766	3,278
Vermont	165	176	^b 207	242	309	183
Virginia	8,016	4,659	5,793	4,896	4,722	6,321
Washington	10,848	10,633	11,763	11,415	11,824	11,331
West Virginia	3,290	2,975	3,132	3,335	3,659	3,457
Wisconsin	9,058	9,000	9,418	11,397	19,281	16,412
Wyoming	2,286	2,398	2,339	2,155	2,485	2,461
Total	755,594	672,633	^b700,032	740,165	789,423	751,109

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	14,066	191,010	16,038	15,523	15,063	13,787
Alaska	6,543	72,694	6,000	4,910	5,262	4,647
Arizona	2,298	25,052	2,428	2,175	1,930	2,050
Arkansas	10,397	132,834	11,826	10,831	11,408	9,943
California	118,805	1,350,795	110,101	113,796	134,647	129,442
Colorado	9,703	90,233	9,821	7,493	6,774	6,980
Connecticut	2,189	33,598	2,817	2,851	2,198	2,320
Delaware	2,551	33,103	2,645	2,457	3,112	2,334
District of Columbia	0	0	0	0	0	0
Florida	10,481	139,597	9,767	11,229	10,873	10,589
Georgia	10,835	173,277	12,357	13,270	13,716	13,796
Hawaii	51	536	43	47	46	40
Idaho ^a	3,101	32,464	2,790	2,811	2,765	2,545
Illinois	30,323	335,154	34,634	30,563	23,869	24,114
Indiana	27,925	312,222	30,064	25,863	24,240	23,427
Iowa	9,554	100,368	9,937	9,027	8,208	7,652
Kansas	9,461	108,903	7,927	8,592	7,358	10,961
Kentucky	10,733	100,803	9,159	8,654	7,552	7,329
Louisiana	87,857	899,418	83,603	85,394	85,484	79,940
Maine	107	3,927	581	496	334	246
Maryland	3,157	46,220	4,116	4,128	3,895	3,701
Massachusetts	13,462	151,845	15,068	11,974	12,721	9,554
Michigan	29,628	297,963	29,269	22,875	20,419	19,199
Minnesota	8,734	103,952	9,740	9,486	7,486	8,753
Mississippi	10,201	111,764	9,696	8,905	8,427	8,409
Missouri	8,705	69,186	7,276	6,010	7,323	3,400
Montana	2,444	23,841	2,541	2,232	1,733	1,554
Nebraska	3,235	45,958	3,560	3,326	2,874	5,952
Nevada	4,120	46,573	4,995	4,342	4,718	4,357
New Hampshire	340	4,453	357	274	336	290
New Jersey	14,908	195,301	15,799	14,228	14,735	11,389
New Mexico	2,454	26,086	2,157	2,072	2,210	2,506
New York	25,164	338,202	27,155	26,732	26,539	28,712
North Carolina	6,863	105,416	7,664	8,578	8,600	7,652
North Dakota	1,310	14,795	1,178	1,206	1,450	1,197
Ohio	35,041	332,135	33,353	29,746	24,404	22,608
Oklahoma	10,335	163,919	11,008	11,788	10,874	12,717
Oregon	7,431	104,078	6,515	8,039	8,711	8,622
Pennsylvania	20,536	248,652	21,993	20,298	18,553	18,152
Rhode Island	3,491	46,393	4,322	4,438	3,915	1,630
South Carolina	4,712	97,682	6,668	8,083	7,710	7,075
South Dakota	602	6,400	672	780	413	614
Tennessee	12,126	129,548	12,263	11,502	11,410	10,348
Texas	153,471	2,165,454	194,019	189,111	181,821	177,702
Utah	3,190	39,378	3,617	3,558	3,066	3,058
Vermont	172	3,949	228	403	384	370
Virginia	6,874	100,530	12,253	6,324	5,997	7,739
Washington	10,791	116,233	8,181	8,199	10,328	9,292
West Virginia	3,749	44,421	3,832	3,325	3,250	3,385
Wisconsin	16,149	159,842	18,505	14,483	11,909	10,467
Wyoming	3,068	35,409	2,665	3,195	1,894	2,213
Total	793,442	9,511,565	843,204	805,625	792,947	764,758

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				March	February	January
Alabama	NA	9,145	1,752	NA	NA	9,046
Alaska	NA	8,978	9,072	NA	NA	2,735
Arizona	NA	27,045	9,526	NA	NA	2,065
Arkansas	NA	3,224	7,935	NA	NA	495
California	NA	33,320	23,830	NA	NA	6,572
Colorado	NA	10,114	6,003	NA	NA	3,137
Connecticut	NA	0	0	NA	NA	0
Delaware	NA	18	1,349	NA	NA	6
District of Columbia	NA	0	0	NA	NA	0
Florida	NA	43,923	80,285	NA	NA	30,792
Georgia	NA	148	287	NA	NA	188
Hawaii	NA	0	0	NA	NA	0
Idaho	NA	0	0	NA	NA	23
Illinois	NA	271	268	NA	NA	298
Indiana	NA	1,600	978	NA	NA	1,003
Iowa	NA	721	738	NA	NA	381
Kansas	NA	2,313	4,118	NA	NA	460
Kentucky	NA	306	795	NA	NA	179
Louisiana	NA	39,489	56,119	NA	NA	14,492
Maine	NA	0	0	NA	NA	0
Maryland	NA	1	1,850	NA	NA	0
Massachusetts	NA	88	534	NA	NA	126
Michigan	NA	5,817	10,186	NA	NA	1,474
Minnesota	NA	576	687	NA	NA	194
Mississippi	NA	8,667	21,335	NA	NA	14,820
Missouri	NA	2,543	3,840	NA	NA	2,705
Montana	NA	5	38	NA	NA	1
Nebraska	NA	464	304	NA	NA	2,672
Nevada	NA	20,671	13,800	NA	NA	4,092
New Hampshire	NA	0	594	NA	NA	18
New Jersey	NA	77	1,958	NA	NA	25
New Mexico	NA	7,334	9,585	NA	NA	1,213
New York	NA	8,388	21,831	NA	NA	6,902
North Carolina	NA	34	176	NA	NA	46
North Dakota	NA	0	0	NA	NA	0
Ohio	NA	521	1,376	NA	NA	105
Oklahoma	NA	24,581	26,566	NA	NA	7,663
Oregon	NA	12,063	8,766	NA	NA	3,277
Pennsylvania	NA	271	871	NA	NA	1
Rhode Island	NA	0	0	NA	NA	0
South Carolina	NA	41	77	NA	NA	7
South Dakota	NA	1,005	154	NA	NA	18
Tennessee	NA	2	429	NA	NA	0
Texas	NA	173,753	227,003	NA	NA	53,343
Utah	NA	4,048	1,267	NA	NA	508
Vermont	NA	39	43	NA	NA	4
Virginia	NA	163	5,154	NA	NA	1,837
Washington	NA	15,362	559	NA	NA	928
West Virginia	NA	50	80	NA	NA	3
Wisconsin	NA	2,883	2,556	NA	NA	511
Wyoming	NA	727	30	NA	NA	156
Total	NA	470,791	564,703	NA	NA	174,519

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	Total	December	November	October	September	August
Alabama	64,634	5,131	6,592	6,682	6,602	8,257
Alaska	32,581	3,200	2,960	2,851	2,373	2,600
Arizona	102,420	3,840	2,986	6,219	7,159	9,536
Arkansas	21,025	412	1,174	1,544	1,634	3,555
California	120,344	6,417	6,605	9,483	9,966	12,184
Colorado	46,191	3,615	2,886	4,500	3,958	4,255
Connecticut	0	0	0	0	0	0
Delaware	481	21	38	22	233	81
District of Columbia	0	0	0	0	0	0
Florida	328,723	30,852	25,048	36,823	38,234	37,384
Georgia	12,293	65	33	776	1,853	3,120
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	5,964	811	653	526	297	1,226
Indiana	6,372	435	529	107	271	1,496
Iowa	5,699	274	245	257	451	1,245
Kansas	24,846	844	1,122	1,289	1,686	5,398
Kentucky	4,140	278	154	239	405	1,056
Louisiana	227,001	10,174	9,289	18,182	24,115	35,190
Maine	0	0	0	0	0	0
Maryland	7	0	0	0	1	2
Massachusetts	2,280	178	66	336	451	554
Michigan	33,490	2,200	2,727	4,307	2,577	6,107
Minnesota	5,281	132	181	197	224	1,520
Mississippi	114,355	8,675	8,352	12,910	17,435	16,388
Missouri	30,571	1,863	1,844	1,994	2,832	6,224
Montana	146	0	1	1	3	47
Nebraska	4,505	263	257	260	191	731
Nevada	68,213	5,269	4,273	4,781	4,112	5,712
New Hampshire	527	29	0	292	185	20
New Jersey	1,224	14	6	24	67	471
New Mexico	38,366	1,207	2,208	2,915	3,251	4,265
New York	93,920	9,130	8,353	11,505	11,237	14,708
North Carolina	7,606	109	89	416	500	3,173
North Dakota	3	0	0	0	0	0
Ohio	5,269	38	93	81	181	1,267
Oklahoma	161,187	9,205	9,544	12,517	16,613	23,748
Oregon	44,998	2,774	3,226	3,847	3,565	4,246
Pennsylvania	3,039	131	150	167	221	654
Rhode Island	0	0	0	0	0	0
South Carolina	2,314	51	52	804	62	525
South Dakota	4,478	67	24	58	205	664
Tennessee	47	0	0	0	0	0
Texas	956,709	41,630	45,062	70,974	82,891	131,279
Utah	13,652	639	486	725	1,141	1,138
Vermont	116	3	3	3	2	2
Virginia	17,752	1,419	2,044	2,290	3,047	3,536
Washington	46,964	1,148	1,155	2,354	2,507	3,760
West Virginia	507	24	23	29	37	104
Wisconsin	12,039	425	546	778	960	2,328
Wyoming	2,727	224	193	196	173	186
Total	2,675,006	153,217	151,276	224,262	253,907	359,940

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	7,771	6,482	4,641	3,331	3,623	1,845
Alaska	2,483	2,437	2,265	2,433	2,962	2,844
Arizona	10,766	10,322	13,167	11,380	10,355	9,845
Arkansas	3,790	1,428	1,753	2,511	1,164	392
California	10,248	9,909	10,925	11,287	10,539	10,510
Colorado	4,738	4,241	3,905	3,979	4,286	3,128
Connecticut	0	0	0	0	0	0
Delaware	38	21	5	5	5	6
District of Columbia	0	0	0	0	0	0
Florida	36,268	31,497	25,687	23,007	18,266	11,945
Georgia	2,742	1,262	1,154	1,138	91	36
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,352	441	312	74	81	93
Indiana	749	630	141	412	188	939
Iowa	1,116	483	545	362	323	173
Kansas	7,576	2,043	1,586	988	997	638
Kentucky	841	351	306	205	194	51
Louisiana	30,144	20,017	19,898	20,504	13,251	11,918
Maine	0	0	0	0	0	0
Maryland	1	1	1	0	0	0
Massachusetts	198	125	226	57	71	8
Michigan	5,271	2,785	1,061	638	1,739	1,565
Minnesota	1,305	446	418	282	253	131
Mississippi	16,065	8,776	8,837	8,249	3,489	1,703
Missouri	6,128	2,764	2,188	2,192	1,411	654
Montana	61	19	7	1	4	0
Nebraska	1,246	441	323	330	293	107
Nevada	5,549	5,526	6,724	5,595	7,607	5,726
New Hampshire	0	0	0	0	0	0
New Jersey	166	252	86	61	56	21
New Mexico	4,905	4,229	4,023	4,031	3,334	2,465
New York	12,049	9,056	5,225	4,271	3,062	2,923
North Carolina	1,800	1,017	315	152	27	0
North Dakota	0	0	1	0	0	0
Ohio	1,267	589	810	423	340	102
Oklahoma	27,086	15,635	11,818	10,440	9,542	6,291
Oregon	4,228	4,264	3,452	3,333	3,425	5,099
Pennsylvania	593	373	370	109	93	94
Rhode Island	0	0	0	0	0	0
South Carolina	356	281	94	47	10	8
South Dakota	713	455	654	633	599	302
Tennessee	22	23	0	0	2	0
Texas	134,024	103,980	93,384	79,731	61,306	52,505
Utah	1,121	1,362	1,503	1,489	1,380	1,389
Vermont	3	3	54	2	6	3
Virginia	2,519	1,761	644	331	78	22
Washington	5,371	3,720	5,798	5,787	5,674	5,604
West Virginia	97	60	62	21	18	16
Wisconsin	1,841	943	756	580	1,015	1,296
Wyoming	228	162	256	384	269	229
Total	354,834	260,613	235,381	210,784	171,432	142,626

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	3,677	36,344	2,801	2,884	1,786	3,225
Alaska	3,173	35,570	3,503	3,192	3,101	2,874
Arizona	6,845	92,019	8,870	9,180	8,454	10,500
Arkansas	1,668	34,603	1,697	1,240	550	2,346
California	12,271	129,449	10,220	9,776	10,078	13,583
Colorado	2,700	32,148	3,568	2,727	2,651	3,071
Connecticut	0	0	0	0	0	0
Delaware	7	4,337	5	5	1	13
District of Columbia	0	0	0	0	0	0
Florida	13,712	316,486	14,992	17,873	23,037	27,763
Georgia	22	21,447	58	327	466	1,941
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	97	2,764	130	156	129	279
Indiana	474	7,754	1,986	282	627	1,193
Iowa	225	4,735	257	255	251	486
Kansas	678	33,509	1,239	1,227	1,321	3,667
Kentucky	61	4,073	519	359	194	133
Louisiana	14,320	292,002	17,809	17,447	20,551	27,576
Maine	0	0	0	0	0	0
Maryland	0	20,665	109	1,864	1,594	1,308
Massachusetts	9	3,190	23	201	247	171
Michigan	2,512	43,548	3,891	3,325	2,942	2,805
Minnesota	192	5,411	413	335	289	268
Mississippi	3,476	89,110	4,617	3,896	3,745	6,197
Missouri	478	30,480	1,161	650	1,405	3,470
Montana	1	192	25	8	0	5
Nebraska	65	5,508	316	319	410	586
Nevada	7,338	80,037	7,380	7,343	8,092	7,974
New Hampshire	0	783	0	0	0	0
New Jersey	0	16,952	54	26	34	100
New Mexico	1,536	38,080	1,757	1,601	2,414	3,002
New York	2,404	95,812	3,242	5,006	6,021	6,761
North Carolina	7	9,579	4	210	204	736
North Dakota	0	0	0	0	0	0
Ohio	80	6,791	250	323	291	340
Oklahoma	8,748	169,031	11,350	8,367	10,238	18,117
Oregon	3,539	41,500	5,761	4,121	4,316	4,053
Pennsylvania	84	2,955	79	193	207	187
Rhode Island	0	0	0	0	0	0
South Carolina	23	2,814	14	55	31	75
South Dakota	104	3,607	311	412	235	460
Tennessee	0	1,829	14	43	0	15
Texas	59,942	1,245,008	72,445	67,697	88,232	119,309
Utah	1,278	10,544	1,182	1,048	1,071	879
Vermont	31	1,023	18	116	127	112
Virginia	62	15,923	235	433	519	562
Washington	4,084	41,173	2,829	4,978	6,796	6,420
West Virginia	16	425	33	26	41	74
Wisconsin	572	12,043	1,436	658	426	686
Wyoming	229	1,843	239	135	360	213
Total	156,734	3,043,094	186,846	180,318	213,487	283,535

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

NA Not Available.

Notes: February and March 2002 data not available in time for publication.

See box on page one for more information. Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				March	February	January
Alabama	NA	92,475	87,475	NA	NA	37,999
Alaska	NA	39,055	43,215	NA	NA	13,065
Arizona	NA	64,526	43,823	NA	NA	16,062
Arkansas	NA	67,144	75,767	NA	NA	NA
California	NA	660,882	563,461	NA	NA	200,011
Colorado	NA	127,705	104,697	NA	NA	NA
Connecticut	NA	45,558	48,577	NA	NA	^R 14,793
Delaware	NA	15,837	17,514	NA	NA	5,008
District of Columbia	NA	14,999	14,336	NA	NA	4,776
Florida	NA	96,720	137,757	NA	NA	50,063
Georgia	NA	121,141	121,705	NA	NA	42,814
Hawaii	NA	737	733	NA	NA	236
Idaho	NA	24,185	22,772	NA	NA	^R 8,967
Illinois	NA	399,385	377,307	NA	NA	130,432
Indiana	NA	NA	201,995	NA	NA	66,310
Iowa	NA	90,409	80,558	NA	NA	28,397
Kansas	NA	90,845	81,071	NA	NA	28,147
Kentucky	NA	76,063	75,300	NA	NA	24,591
Louisiana	NA	344,930	309,949	NA	NA	100,515
Maine	NA	2,216	2,670	NA	NA	877
Maryland	NA	75,395	74,355	NA	NA	NA
Massachusetts	NA	123,582	121,040	NA	NA	39,288
Michigan	NA	357,970	351,978	NA	NA	113,847
Minnesota	NA	133,705	125,127	NA	NA	41,273
Mississippi	NA	60,362	73,337	NA	NA	32,312
Missouri	NA	127,016	108,217	NA	NA	41,148
Montana	NA	22,102	21,386	NA	NA	7,646
Nebraska	NA	45,688	42,632	NA	NA	18,229
Nevada	NA	56,028	43,223	NA	NA	19,612
New Hampshire	NA	8,366	9,197	NA	NA	2,646
New Jersey	NA	217,155	230,421	NA	NA	70,583
New Mexico	NA	39,900	39,190	NA	NA	11,797
New York	NA	386,624	411,028	NA	NA	119,017
North Carolina	NA	70,414	79,986	NA	NA	27,101
North Dakota	NA	13,724	13,086	NA	NA	5,495
Ohio	NA	346,790	335,478	NA	NA	101,682
Oklahoma	NA	122,768	119,816	NA	NA	NA
Oregon	NA	67,362	67,953	NA	NA	22,394
Pennsylvania	NA	255,827	257,699	NA	NA	79,014
Rhode Island	NA	27,113	31,621	NA	NA	NA
South Carolina	NA	41,130	50,106	NA	NA	17,483
South Dakota	NA	13,887	11,072	NA	NA	3,932
Tennessee	NA	100,277	90,390	NA	NA	35,352
Texas	NA	864,583	858,169	NA	NA	313,468
Utah	NA	50,542	46,982	NA	NA	19,539
Vermont	NA	3,291	3,550	NA	NA	1,120
Virginia	NA	84,235	94,476	NA	NA	30,922
Washington	NA	99,734	84,836	NA	NA	30,106
West Virginia	NA	38,241	39,202	NA	NA	NA
Wisconsin	NA	161,914	142,872	NA	NA	49,193
Wyoming	NA	17,751	20,716	NA	NA	7,740
Total	NA	6,604,720	6,409,823	NA	NA	^R2,193,581

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	Total	December	November	October	September	August
Alabama	306,948	25,797	23,139	24,908	22,789	24,895
Alaska	140,049	14,274	12,632	11,919	10,333	10,801
Arizona	196,056	14,712	8,766	10,929	11,843	14,271
Arkansas	NA	NA	NA	17,276	14,072	15,514
California	2,200,900	193,648	152,761	160,104	163,742	178,678
Colorado	320,861	35,931	22,531	16,081	13,521	14,467
Connecticut	NA	NA	NA	6,490	4,426	4,841
Delaware	41,847	3,531	3,417	3,209	2,621	2,258
District of Columbia	30,954	2,867	2,174	1,272	1,113	941
Florida	521,983	46,672	41,643	51,833	53,815	52,338
Georgia	337,660	35,212	24,615	25,980	20,745	23,651
Hawaii	2,818	225	217	220	226	227
Idaho	63,076	7,291	5,191	3,746	3,043	2,844
Illinois	NA	NA	73,374	64,346	39,237	39,817
Indiana	NA	51,929	39,275	34,345	NA	NA
Iowa	217,988	22,465	16,853	14,517	10,741	10,866
Kansas	229,331	20,929	14,526	11,684	13,266	18,357
Kentucky	189,883	23,002	16,109	12,417	9,901	9,784
Louisiana	NA	NA	NA	NA	NA	NA
Maine	^R 5,952	^R 793	^R 624	502	326	302
Maryland	NA	NA	14,496	11,822	NA	8,585
Massachusetts	NA	NA	NA	19,379	16,485	17,877
Michigan	853,324	89,568	70,411	54,977	36,562	37,946
Minnesota	^R 310,237	^R 37,554	24,149	21,432	14,080	14,003
Mississippi	NA	21,421	NA	22,030	26,772	25,627
Missouri	280,369	29,911	18,403	13,659	11,909	15,374
Montana	54,443	6,685	5,072	3,440	2,131	2,148
Nebraska	115,993	10,716	10,636	5,554	5,399	6,284
Nevada	172,821	18,136	12,368	12,850	11,142	13,378
New Hampshire	NA	NA	NA	1,177	855	589
New Jersey	536,276	53,463	43,413	32,806	27,832	27,589
New Mexico	130,280	13,411	9,046	7,771	7,270	8,165
New York	NA	NA	NA	69,510	NA	74,757
North Carolina	192,115	19,006	15,578	14,203	10,633	13,433
North Dakota	39,016	4,474	3,086	3,030	1,952	2,395
Ohio	777,171	85,850	58,208	48,475	32,336	30,175
Oklahoma	398,354	29,828	23,909	25,778	28,117	34,468
Oregon	226,425	19,656	19,094	21,368	15,513	15,735
Pennsylvania	596,842	62,724	45,947	37,466	28,535	27,225
Rhode Island	89,882	8,832	6,610	7,252	6,774	6,980
South Carolina	129,235	12,197	10,932	11,400	8,517	9,187
South Dakota	33,346	3,610	2,136	1,701	1,167	1,678
Tennessee	251,528	24,903	19,300	18,057	12,548	13,356
Texas	3,464,553	280,707	249,377	287,251	285,123	342,282
Utah	134,046	18,494	11,578	9,107	6,464	5,884
Vermont	^R 7,967	830	661	442	363	309
Virginia	NA	25,069	NA	NA	16,185	17,167
Washington	NA	34,520	NA	NA	23,142	25,272
West Virginia	102,591	12,333	10,387	6,822	5,707	4,774
Wisconsin	370,100	43,329	28,376	26,654	17,202	16,415
Wyoming	^R 53,128	5,545	4,920	4,172	3,149	3,013
Total	^R19,669,926	^R1,867,291	^R1,479,799	1,435,969	1,285,061	1,403,574

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	23,738	22,397	22,531	24,279	27,936	28,418
Alaska	10,453	9,154	10,251	11,177	13,156	12,312
Arizona	16,407	15,827	19,759	19,016	21,528	23,136
Arkansas	13,638	11,461	14,394	16,273	20,177	19,540
California	167,051	161,947	172,734	189,353	201,309	215,940
Colorado	15,341	19,785	23,492	32,007	39,605	41,827
Connecticut	4,800	5,791	5,996	9,977	13,985	14,262
Delaware	2,319	2,376	2,356	3,922	4,931	5,261
District of Columbia	1,253	1,293	1,713	3,327	4,377	4,815
Florida	52,183	46,246	41,540	38,994	34,578	29,070
Georgia	21,619	18,989	20,360	25,349	36,829	34,546
Hawaii	242	244	237	243	247	237
Idaho	3,293	3,530	4,306	5,648	6,749	8,519
Illinois	41,446	38,231	46,939	62,502	116,688	131,858
Indiana	NA	NA	NA	37,071	NA	NA
Iowa	10,827	10,825	12,907	17,579	27,117	29,847
Kansas	19,522	11,612	11,196	17,395	26,818	27,907
Kentucky	9,542	8,632	9,548	14,885	21,615	23,081
Louisiana	119,544	101,432	106,545	112,874	114,606	110,494
Maine	278	282	323	305	577	875
Maryland	7,439	8,081	9,013	14,433	21,897	22,949
Massachusetts	15,937	17,173	22,327	31,988	38,765	40,576
Michigan	38,563	41,455	48,392	77,479	112,951	112,343
Minnesota	12,706	12,851	15,177	24,580	39,246	46,046
Mississippi	25,159	18,044	19,073	19,726	18,410	16,116
Missouri	15,429	12,509	13,352	22,808	34,281	40,720
Montana	2,355	2,434	3,050	5,028	5,773	8,348
Nebraska	8,468	5,368	6,985	10,895	13,509	15,234
Nevada	12,096	11,925	12,539	12,358	17,758	18,423
New Hampshire	548	680	1,293	1,936	2,640	2,874
New Jersey	27,026	25,966	31,048	49,978	67,380	68,160
New Mexico	13,077	9,579	10,186	11,874	11,231	14,550
New York	67,957	78,838	79,561	98,645	122,491	128,504
North Carolina	11,484	11,181	11,104	15,080	20,029	21,182
North Dakota	1,366	2,540	2,622	3,826	3,576	5,277
Ohio	33,199	34,539	41,314	66,285	101,721	109,794
Oklahoma	41,570	29,936	29,593	32,386	39,477	41,253
Oregon	16,359	17,361	15,774	18,202	20,853	24,926
Pennsylvania	25,139	26,178	33,884	53,918	78,410	80,447
Rhode Island	6,205	6,007	6,970	7,140	10,152	7,850
South Carolina	8,567	8,202	8,506	10,597	12,101	12,786
South Dakota	1,755	1,639	2,433	3,339	4,634	4,871
Tennessee	13,075	13,445	14,261	22,306	27,420	29,379
Texas	344,981	262,860	272,987	274,402	280,561	274,619
Utah	6,106	6,982	7,742	11,148	13,022	17,404
Vermont	307	384	^R 544	837	1,091	1,005
Virginia	14,567	10,777	11,849	15,650	22,827	26,989
Washington	27,622	27,223	26,323	29,428	32,064	34,661
West Virginia	4,618	4,788	5,428	9,494	11,090	12,293
Wisconsin	16,143	15,911	18,060	26,098	54,615	53,130
Wyoming	3,001	3,344	3,674	^R 4,561	5,067	5,914
Total	1,381,074	1,244,114	^R1,339,725	^R1,628,600	2,035,495	2,122,409

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	36,121	298,492	31,038	23,174	19,947	19,282
Alaska	13,587	150,666	14,583	12,486	12,435	10,017
Arizona	19,862	184,023	20,652	16,546	13,475	15,434
Arkansas	27,427	242,977	30,258	21,372	14,970	14,540
California	243,634	2,247,921	213,789	199,735	193,758	185,511
Colorado	46,273	299,653	43,946	27,031	18,474	14,580
Connecticut	17,311	123,711	16,169	10,983	7,576	5,511
Delaware	5,646	52,034	4,756	3,498	3,618	2,575
District of Columbia	5,808	33,181	4,731	2,305	1,507	1,265
Florida	33,072	519,190	31,473	34,049	38,263	42,400
Georgia	49,766	394,896	57,665	35,432	23,929	22,194
Hawaii	253	2,841	232	240	233	227
Idaho	8,916	65,046	8,180	6,373	4,313	3,536
Illinois	150,840	1,006,805	171,913	108,105	56,387	44,310
Indiana	NA	570,431	82,201	50,503	36,328	31,916
Iowa	33,445	224,526	34,772	22,207	13,815	11,309
Kansas	36,120	252,650	30,636	18,769	12,935	17,723
Kentucky	31,367	208,207	33,069	21,263	12,343	10,156
Louisiana	119,830	1,266,837	114,506	109,244	109,800	110,576
Maine	R763	7,733	1,196	841	552	359
Maryland	30,549	206,716	27,920	18,923	12,045	9,458
Massachusetts	44,242	332,910	40,276	26,421	21,068	16,081
Michigan	132,676	893,256	127,001	73,045	50,142	37,873
Minnesota	48,412	333,386	53,647	35,138	18,947	15,490
Mississippi	25,837	248,908	22,958	16,325	14,584	16,441
Missouri	52,015	277,875	42,473	20,942	15,856	11,197
Montana	7,981	57,642	8,171	6,118	3,874	2,628
Nebraska	16,945	121,642	15,978	9,377	6,389	8,585
Nevada	19,847	182,188	20,096	17,345	15,984	14,958
New Hampshire	2,852	20,833	2,367	1,772	1,055	767
New Jersey	81,615	590,675	75,867	46,807	32,204	21,631
New Mexico	14,120	127,696	14,308	10,924	8,677	8,292
New York	135,629	1,248,672	132,667	98,801	81,091	77,438
North Carolina	29,204	221,998	27,014	18,720	13,446	11,135
North Dakota	4,871	36,553	5,043	3,462	2,599	1,775
Ohio	135,276	860,252	133,197	79,100	48,850	35,718
Oklahoma	42,038	442,877	43,731	29,160	25,508	34,279
Oregon	21,583	212,918	22,380	18,168	16,028	14,799
Pennsylvania	96,970	659,740	92,446	57,231	39,111	30,434
Rhode Island	9,111	78,046	8,558	6,700	5,305	2,614
South Carolina	16,242	151,660	15,842	11,945	10,102	8,863
South Dakota	4,383	32,735	5,524	3,633	1,725	1,638
Tennessee	43,477	252,528	35,741	21,139	16,208	13,816
Texas	309,403	3,789,439	329,893	287,491	289,811	314,512
Utah	20,115	136,975	19,656	17,305	9,961	7,660
Vermont	1,195	10,410	949	941	761	641
Virginia	34,420	262,316	38,207	21,492	13,644	12,776
Washington	33,009	279,757	28,385	25,312	22,916	19,808
West Virginia	14,857	102,616	12,733	7,738	6,297	5,269
Wisconsin	54,169	388,053	63,197	39,779	23,483	17,288
Wyoming	6,770	59,195	6,348	5,710	3,629	3,196
Total	R2,446,815	20,772,291	2,418,338	1,761,121	1,425,960	1,340,476

^R Revised Data.

^{NA} Not Available.

Notes: February and March 2002 deliveries to Electric Utilities not available in time for publication. See box on page one for more information. Geographic coverage is the 50 States and the District of Columbia. Gas

volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002			2001	
				March	February	January	Total	December
Alabama	4.67	7.54	3.25	4.49	4.80	4.71	6.62	4.99
Alaska	2.42	2.50	1.60	2.41	2.41	2.44	2.35	2.34
Arizona	3.49	6.70	3.76	3.74	3.35	3.41	5.05	3.27
Arkansas	NA	NA	3.00	NA	5.72	NA	NA	NA
California	2.62	10.16	2.78	2.76	2.42	2.68	6.64	2.80
Colorado	2.78	5.75	2.52	3.15	2.58	2.64	4.21	2.93
Connecticut	NA	10.00	5.66	5.71	NA	6.72	8.12	5.07
Delaware	4.86	7.28	3.40	6.70	4.07	4.47	5.18	4.39
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.39	7.93	3.70	3.51	3.27	3.35	5.21	3.41
Georgia	3.17	8.01	3.46	3.18	4.21	2.44	6.05	3.77
Hawaii	6.21	8.43	7.17	6.03	6.10	6.49	7.86	6.95
Idaho	3.63	5.46	2.57	3.56	3.53	3.77	4.65	3.74
Illinois	3.28	7.78	3.09	3.13	3.16	3.52	NA	NA
Indiana	3.36	NA	2.71	3.37	3.33	3.37	NA	3.60
Iowa	3.45	7.97	3.34	3.51	3.39	3.46	NA	NA
Kansas	3.81	8.38	3.22	3.98	3.80	3.65	6.05	3.92
Kentucky	4.27	7.96	3.79	4.06	4.69	4.08	NA	4.85
Louisiana	NA	8.14	3.08	NA	NA	3.91	NA	NA
Maine	4.23	7.07	4.31	3.99	4.79	4.02	NA	NA
Maryland	NA	8.10	3.80	4.18	NA	NA	NA	NA
Massachusetts	4.08	7.84	3.82	4.29	4.24	3.80	NA	NA
Michigan	4.58	3.83	3.01	4.76	4.45	4.54	4.09	3.55
Minnesota	3.57	7.53	3.21	3.64	3.65	3.42	5.84	4.02
Mississippi	3.86	NA	3.27	3.62	3.76	4.14	NA	4.11
Missouri	3.87	7.46	3.31	4.03	3.97	3.65	6.31	3.61
Montana	2.83	6.03	2.91	2.72	2.64	3.09	3.93	2.39
Nebraska	3.67	8.21	3.26	3.63	3.58	3.77	6.38	3.66
Nevada	4.17	6.07	3.50	4.48	3.83	^R 4.20	NA	4.18
New Hampshire	4.32	5.37	4.14	3.88	3.14	7.84	NA	NA
New Jersey	NA	7.59	3.89	NA	NA	NA	NA	NA
New Mexico	2.48	5.41	2.46	2.44	2.23	2.71	NA	2.41
New York	3.90	7.06	3.49	3.98	3.47	4.19	NA	3.81
North Carolina	3.88	9.01	3.78	3.81	3.72	4.06	6.98	4.11
North Dakota	3.36	7.46	3.47	3.23	3.26	3.54	NA	2.51
Ohio	NA	9.10	5.26	NA	4.28	3.63	NA	4.89
Oklahoma	NA	7.66	3.45	NA	4.07	NA	6.83	5.38
Oregon	4.99	4.83	3.05	5.17	5.10	4.75	4.92	5.39
Pennsylvania	4.82	7.50	3.71	4.91	5.20	4.44	6.71	5.20
Rhode Island	NA	8.16	3.33	4.18	4.07	NA	7.42	4.14
South Carolina	4.56	8.46	3.74	4.39	4.30	4.96	6.48	4.95
South Dakota	3.94	8.17	3.65	3.69	4.04	4.10	NA	NA
Tennessee	4.07	7.77	3.32	3.78	3.99	4.35	5.98	4.28
Texas	3.40	7.58	2.93	3.29	3.25	3.61	5.53	3.22
Utah	4.36	6.14	3.51	4.18	4.54	4.34	5.62	5.01
Vermont	5.06	5.28	3.58	4.82	5.01	5.32	4.83	5.15
Virginia	NA	7.55	3.78	3.33	3.99	NA	NA	5.03
Washington	NA	7.28	2.81	NA	NA	3.03	NA	3.88
West Virginia	NA	NA	3.50	3.85	3.82	NA	NA	NA
Wisconsin	3.64	7.70	3.15	3.47	3.74	3.71	5.90	3.50
Wyoming	NA	7.85	4.28	NA	3.98	3.97	6.32	4.44
Total	3.97	7.55	3.41	3.87	3.86	^R 4.16	5.82	4.08

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	4.99	5.16	5.45	6.02	5.62	6.47	6.98	6.33
Alaska	2.30	2.29	2.25	2.22	1.91	2.68	2.23	2.20
Arizona	4.38	3.47	3.93	4.05	3.68	4.24	4.92	5.22
Arkansas	NA	NA	3.93	4.41	NA	NA	NA	NA
California	3.15	2.38	2.71	2.80	2.92	8.08	7.32	7.52
Colorado	3.02	2.28	2.73	3.04	3.14	3.21	3.94	5.21
Connecticut	6.30	4.23	5.84	8.54	7.96	6.98	8.87	9.97
Delaware	4.05	3.19	3.31	3.77	4.80	4.63	5.15	5.96
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.58	2.69	2.98	3.45	3.98	4.56	5.75	6.50
Georgia	4.26	3.55	3.81	3.92	4.35	6.43	5.77	6.14
Hawaii	7.53	7.42	7.92	7.90	7.92	7.76	7.91	7.57
Idaho	3.85	3.48	3.50	3.12	3.60	4.20	6.00	5.24
Illinois	3.56	2.46	2.60	3.99	3.80	4.56	5.03	6.09
Indiana	3.90	NA	NA	3.01	3.08	NA	NA	3.36
Iowa	3.45	2.84	3.80	4.26	5.42	5.40	6.52	6.47
Kansas	4.23	3.01	3.12	4.12	4.17	4.84	6.45	6.59
Kentucky	4.82	4.26	2.36	4.51	NA	6.45	7.18	5.53
Louisiana	NA	3.16	3.47	4.23	NA	4.60	5.03	6.06
Maine	NA	1.48	3.01	6.56	6.61	NA	11.90	5.84
Maryland	5.65	5.13	NA	6.26	6.85	7.62	8.14	5.23
Massachusetts	6.00	3.75	6.15	6.69	7.38	6.73	5.78	6.40
Michigan	3.80	3.68	3.86	4.30	4.36	4.46	4.61	4.90
Minnesota	4.52	2.57	3.66	4.08	4.32	4.84	5.51	6.00
Mississippi	NA	3.35	NA	5.95	4.32	4.68	5.43	6.33
Missouri	4.67	3.57	5.33	6.02	6.38	6.47	7.66	7.35
Montana	3.12	1.96	2.23	2.58	2.85	2.64	3.85	4.09
Nebraska	3.83	2.85	4.13	4.18	4.31	4.96	6.28	7.20
Nevada	5.02	3.57	4.67	5.22	3.63	3.95	NA	6.54
New Hampshire	NA	NA	NA	6.56	5.67	3.59	4.75	4.77
New Jersey	NA	NA	9.29	7.47	8.33	8.06	9.65	8.41
New Mexico	NA	2.36	2.07	2.62	2.48	2.80	3.71	4.55
New York	NA	2.87	2.90	3.64	3.38	3.97	5.22	NA
North Carolina	4.70	4.42	5.02	5.55	5.96	6.07	7.25	7.20
North Dakota	4.34	2.10	2.86	3.10	NA	2.93	4.76	5.64
Ohio	5.38	5.70	5.13	7.63	NA	8.49	6.29	11.56
Oklahoma	5.96	4.00	5.69	5.01	4.92	5.85	6.61	5.95
Oregon	5.41	4.60	5.42	5.07	5.03	4.85	4.70	4.25
Pennsylvania	5.03	5.91	6.32	6.11	6.58	6.75	7.23	7.15
Rhode Island	5.28	6.09	7.90	8.15	7.28	9.96	9.90	8.79
South Carolina	5.01	4.08	4.70	5.01	5.39	5.83	6.94	6.87
South Dakota	3.94	3.25	4.61	4.51	5.98	5.93	7.30	7.50
Tennessee	4.79	3.79	3.51	4.04	4.10	4.91	5.55	5.99
Texas	3.69	2.88	3.16	4.14	4.45	4.78	5.61	5.71
Utah	4.69	4.76	6.65	5.82	5.94	5.48	5.53	5.51
Vermont	3.93	5.06	4.06	4.35	4.14	4.09	4.38	4.70
Virginia	NA	NA	5.49	7.43	6.71	7.52	8.13	4.72
Washington	4.09	3.00	3.56	3.50	NA	4.07	5.41	5.14
West Virginia	4.44	3.95	2.99	4.21	4.53	NA	NA	5.98
Wisconsin	4.33	2.85	3.68	5.04	5.17	4.91	5.18	6.41
Wyoming	4.91	4.63	5.35	6.82	5.26	3.85	6.38	6.91
Total	4.17	3.47	3.64	4.27	4.28	5.36	5.89	6.35

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001			2000				
	March	February	January	Total	December	November	October	September
Alabama	6.90	8.60	7.12	4.50	6.00	5.62	6.00	5.12
Alaska	2.55	2.53	2.44	1.60	1.61	1.62	1.62	1.60
Arizona	5.31	6.25	7.91	4.82	7.07	5.51	5.36	4.95
Arkansas	NA	NA	NA	4.16	5.64	4.29	5.80	4.95
California	8.36	9.42	12.64	4.32	7.30	5.09	5.17	4.98
Colorado	4.73	5.01	7.10	3.53	5.13	4.04	4.24	3.32
Connecticut	8.65	10.03	11.06	6.73	8.32	7.06	7.30	9.69
Delaware	6.10	7.33	8.30	3.41	4.19	5.44	4.49	2.74
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.30	6.18	10.21	5.10	7.92	6.37	6.65	5.45
Georgia	6.65	8.05	8.90	4.64	7.09	5.74	5.31	5.09
Hawaii	7.42	8.78	9.17	8.41	9.81	9.43	9.09	9.04
Idaho	4.10	4.69	6.94	4.02	6.70	4.67	5.27	3.85
Illinois	5.19	6.89	10.53	5.01	7.83	5.33	6.39	6.05
Indiana	NA	5.77	7.87	4.03	6.20	4.54	5.40	5.23
Iowa	6.06	8.01	9.35	5.06	7.38	5.74	6.41	5.84
Kansas	5.92	8.32	10.13	4.52	6.21	5.21	6.46	5.87
Kentucky	5.89	8.65	9.15	4.93	6.75	5.79	6.14	5.18
Louisiana	6.11	6.96	10.43	4.61	7.26	5.39	5.80	5.23
Maine	6.53	7.57	6.97	5.30	5.98	4.41	8.23	7.91
Maryland	6.51	6.85	10.03	5.36	7.32	5.87	7.62	6.25
Massachusetts	6.00	7.64	9.42	5.43	7.00	5.69	6.66	7.37
Michigan	3.60	3.52	4.40	3.23	3.67	3.44	3.47	3.32
Minnesota	5.51	7.28	9.37	4.73	7.35	5.66	5.95	5.67
Mississippi	NA	6.44	9.68	4.66	7.47	5.50	5.73	5.05
Missouri	5.60	7.07	8.73	4.96	6.09	5.49	7.03	7.18
Montana	5.03	5.31	7.34	3.55	5.11	4.27	3.93	3.39
Nebraska	6.52	8.10	9.46	4.52	6.03	5.11	5.89	5.23
Nevada	5.53	5.64	6.71	4.79	6.35	6.28	5.26	4.39
New Hampshire	4.88	5.21	6.06	5.34	7.38	7.20	6.24	6.66
New Jersey	6.15	7.48	8.82	5.34	6.66	5.74	7.94	9.17
New Mexico	4.75	5.81	5.56	3.79	6.04	4.98	4.91	3.66
New York	5.37	6.47	8.99	4.67	7.13	5.26	6.37	5.32
North Carolina	7.05	9.60	9.87	5.09	6.78	5.77	6.38	6.08
North Dakota	6.00	6.48	9.50	4.60	6.20	5.41	5.81	4.66
Ohio	9.95	10.34	7.87	6.10	7.17	5.64	7.58	6.74
Oklahoma	6.89	9.58	6.59	3.91	5.58	5.60	4.94	3.57
Oregon	4.45	4.67	5.26	3.87	4.86	4.87	4.66	3.70
Pennsylvania	6.96	6.91	8.36	5.09	6.32	5.62	6.40	6.64
Rhode Island	9.60	6.69	8.27	4.36	6.70	4.47	7.15	5.65
South Carolina	6.34	7.88	10.46	5.09	6.81	5.87	6.56	6.15
South Dakota	6.58	7.68	9.94	4.81	6.29	4.55	5.57	5.06
Tennessee	6.30	7.73	9.28	4.72	7.14	5.64	6.05	5.09
Texas	5.81	7.01	9.10	4.39	6.85	5.26	5.49	5.02
Utah	6.35	6.41	5.83	3.68	4.26	4.17	3.88	3.43
Vermont	4.93	5.23	5.65	4.26	5.21	5.34	5.11	4.39
Virginia	6.61	7.65	8.11	5.34	7.53	6.39	5.82	7.29
Washington	5.13	6.48	9.87	4.16	8.10	4.71	4.35	3.67
West Virginia	NA	4.26	4.25	3.75	3.76	4.01	5.48	2.86
Wisconsin	6.13	6.61	9.93	4.42	5.85	5.12	5.79	5.63
Wyoming	8.98	7.01	8.07	5.07	7.97	5.59	5.50	4.51
Total	6.17	7.19	8.84	4.62	6.64	5.20	5.66	5.21

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002			2001	
				March	February	January	Total	December
Alabama	9.68	11.23	7.66	9.40	10.06	9.58	12.09	11.89
Alaska	4.32	4.16	3.40	4.31	4.27	4.39	4.23	4.10
Arizona	11.72	9.25	8.29	12.27	11.41	11.67	10.88	12.14
Arkansas	NA	10.32	5.82	NA	8.42	NA	NA	NA
California	6.65	13.07	6.79	5.99	6.67	7.11	10.29	6.00
Colorado	5.13	8.24	5.14	5.45	4.73	5.25	8.44	5.33
Connecticut	NA	12.96	10.64	10.11	NA	^R 10.88	NA	NA
Delaware	10.68	10.06	7.67	10.81	10.75	10.53	11.03	11.36
District of Columbia	10.62	13.56	9.43	10.88	10.23	10.78	13.10	11.51
Florida	12.08	14.96	10.70	12.28	11.75	12.16	15.89	13.87
Georgia	6.84	10.50	6.72	7.70	7.69	6.03	9.92	7.23
Hawaii	23.32	22.70	20.22	23.21	23.30	23.44	22.55	23.88
Idaho	8.67	7.80	5.52	8.96	8.79	8.32	8.50	8.98
Illinois	5.04	11.06	5.31	5.05	^R 5.01	5.07	NA	NA
Indiana	6.64	9.58	5.42	6.37	6.58	6.90	NA	6.43
Iowa	5.73	9.92	5.62	5.90	5.71	5.60	8.88	4.24
Kansas	7.37	10.13	6.14	7.39	7.15	7.54	10.07	7.84
Kentucky	7.08	9.91	5.81	6.25	7.51	7.35	9.65	7.36
Louisiana	NA	11.08	5.82	NA	NA	6.75	NA	NA
Maine	11.23	11.47	8.32	11.55	11.42	10.75	NA	9.80
Maryland	NA	11.91	8.00	9.10	NA	NA	NA	NA
Massachusetts	9.69	12.68	8.99	9.72	9.46	9.88	13.15	12.08
Michigan	5.97	4.91	4.76	6.11	6.07	5.78	5.59	5.74
Minnesota	5.87	10.39	5.60	5.87	5.75	5.98	8.80	5.82
Mississippi	6.68	10.33	6.06	6.37	7.04	6.66	10.05	8.17
Missouri	7.12	10.07	6.23	6.91	7.25	7.18	10.51	7.61
Montana	5.37	6.96	5.37	4.98	5.35	5.77	7.00	6.10
Nebraska	5.29	9.11	5.03	5.19	5.26	5.40	8.47	6.01
Nevada	8.75	7.91	6.18	9.20	9.07	8.24	8.96	8.15
New Hampshire	9.39	12.22	9.27	9.57	9.46	9.17	12.64	12.93
New Jersey	7.18	7.07	7.36	7.30	6.91	7.35	7.69	8.14
New Mexico	6.89	9.66	5.69	5.44	8.13	6.45	8.25	4.26
New York	9.26	11.79	8.58	9.25	8.83	9.69	12.04	11.23
North Carolina	8.33	12.30	8.21	8.02	8.59	8.33	12.31	10.60
North Dakota	4.68	9.16	4.89	4.52	4.71	4.82	7.62	4.87
Ohio	6.90	10.28	6.28	6.47	7.00	7.17	9.95	7.33
Oklahoma	NA	8.27	5.93	NA	7.37	NA	8.91	7.69
Oregon	10.55	8.93	7.45	10.61	10.55	10.49	9.68	10.56
Pennsylvania	8.54	10.84	7.42	8.50	8.67	8.45	11.47	9.47
Rhode Island	NA	11.49	8.64	11.45	11.26	NA	12.17	12.25
South Carolina	9.54	12.95	8.33	9.26	9.93	9.43	12.35	10.66
South Dakota	6.07	10.08	5.69	6.17	6.03	6.00	NA	NA
Tennessee	7.29	10.88	6.10	7.27	7.62	7.04	10.33	7.83
Texas	5.77	9.99	5.56	5.18	6.69	5.55	9.19	6.09
Utah	6.14	8.45	6.07	6.06	6.17	6.18	8.08	7.03
Vermont	9.99	9.22	7.39	10.05	9.97	9.97	10.07	10.44
Virginia	8.46	12.10	9.52	8.49	7.97	8.86	12.35	9.94
Washington	NA	9.28	6.40	NA	NA	9.10	9.77	9.59
West Virginia	NA	7.03	7.03	8.08	7.99	NA	7.59	8.07
Wisconsin	6.76	10.03	6.14	6.68	6.59	6.97	8.76	6.54
Wyoming	5.38	9.21	5.06	5.22	5.64	5.35	8.45	5.33
Total	7.14	10.11	6.57	6.96	^R 7.19	^R 7.23	9.63	7.30

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	11.96	12.91	16.00	16.04	16.16	15.87	14.65	12.08
Alaska	4.05	4.27	4.51	4.74	4.91	4.63	4.36	4.16
Arizona	13.84	14.57	14.98	15.18	14.63	13.55	11.69	10.47
Arkansas	NA	8.57	11.38	NA	11.43	13.45	2.02	12.62
California	5.80	5.97	7.23	8.15	8.63	11.25	11.58	11.89
Colorado	6.15	10.16	13.04	13.57	12.64	11.39	10.05	9.52
Connecticut	NA	11.31	14.52	13.93	14.95	13.97	12.28	13.10
Delaware	11.72	13.07	14.91	15.77	14.33	13.67	12.36	11.14
District of Columbia	11.36	12.52	13.69	11.24	11.58	11.55	14.96	13.62
Florida	14.79	16.05	17.30	17.46	17.51	17.57	18.95	18.02
Georgia	9.50	7.48	10.32	10.99	14.94	11.03	10.81	10.12
Hawaii	24.02	21.82	22.29	22.52	22.14	21.99	22.11	21.71
Idaho	9.17	9.62	10.05	10.29	9.85	9.39	8.93	8.76
Illinois	5.45	5.25	7.63	9.39	9.41	10.33	10.35	9.28
Indiana	7.66	8.32	NA	NA	NA	NA	NA	11.83
Iowa	6.91	6.17	10.35	11.55	10.85	11.16	10.43	9.34
Kansas	9.11	10.69	13.50	12.31	12.28	12.50	11.74	9.76
Kentucky	7.72	9.73	11.46	13.10	13.17	15.23	13.35	10.87
Louisiana	NA	NA	NA	NA	NA	9.36	9.42	8.69
Maine	NA	12.73	13.62	16.90	17.96	17.07	10.45	15.54
Maryland	9.78	8.95	NA	14.68	7.31	14.63	14.37	12.68
Massachusetts	12.05	13.06	15.30	16.03	14.99	14.09	14.29	14.39
Michigan	5.77	6.14	7.58	8.83	8.59	7.69	7.17	5.40
Minnesota	6.92	5.52	7.31	8.72	8.82	8.76	9.30	8.67
Mississippi	7.89	7.93	12.29	12.08	11.37	11.54	10.80	10.60
Missouri	10.39	12.68	14.93	15.88	15.24	14.17	12.87	11.19
Montana	6.35	6.74	8.55	8.83	8.81	8.10	7.67	7.40
Nebraska	6.36	6.83	8.92	9.66	9.17	8.97	9.20	8.08
Nevada	11.09	11.40	14.92	11.20	11.28	10.02	9.36	8.95
New Hampshire	13.94	12.79	14.65	15.93	16.39	14.83	10.90	11.76
New Jersey	8.45	9.29	9.22	9.25	8.60	8.40	8.13	7.76
New Mexico	4.81	5.63	8.18	9.94	8.96	10.88	12.47	13.43
New York	11.60	11.25	13.93	14.82	14.83	14.28	13.43	11.32
North Carolina	10.30	11.94	15.50	17.13	16.67	14.85	14.09	12.58
North Dakota	5.10	4.87	7.21	7.03	9.18	9.91	9.24	8.25
Ohio	7.49	9.30	10.59	10.18	13.49	12.36	11.90	10.89
Oklahoma	9.27	10.77	12.33	12.32	12.62	12.23	9.78	9.82
Oregon	10.82	11.18	11.17	11.21	10.79	10.18	9.49	9.25
Pennsylvania	10.38	12.06	15.70	16.83	16.40	15.22	14.10	12.44
Rhode Island	13.35	13.68	13.54	14.94	14.68	13.70	12.49	11.98
South Carolina	9.84	11.86	13.64	13.95	13.81	13.40	12.35	11.40
South Dakota	6.57	5.84	8.73	9.15	NA	8.97	9.26	9.28
Tennessee	9.14	9.47	10.87	12.03	11.80	12.11	11.16	9.89
Texas	7.96	7.90	10.16	6.90	10.79	12.04	10.70	9.49
Utah	7.48	6.82	9.55	9.34	9.36	8.82	9.59	7.97
Vermont	11.07	12.52	14.38	14.14	12.58	11.56	10.39	9.46
Virginia	10.50	13.40	16.58	17.30	17.33	16.41	15.51	12.15
Washington	9.72	10.22	10.92	11.48	11.14	10.72	10.33	10.09
West Virginia	7.62	8.03	9.36	9.95	12.92	12.14	8.36	7.32
Wisconsin	7.45	5.01	6.44	9.17	7.72	8.60	9.61	9.58
Wyoming	7.24	8.66	10.66	11.12	12.25	10.03	11.79	6.15
Total	7.97	8.18	10.16	10.77	11.01	11.51	10.99	10.18

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001			2000				
	March	February	January	Total	December	November	October	September
Alabama	12.53	12.05	10.12	9.22	9.74	11.85	12.02	13.33
Alaska	4.19	4.17	4.11	3.57	3.90	3.41	3.52	3.74
Arizona	9.47	9.21	9.10	9.43	8.88	9.93	12.88	13.40
Arkansas	9.94	11.63	9.67	7.43	7.87	7.65	10.37	9.65
California	13.73	13.72	12.07	8.21	10.48	9.54	9.89	8.84
Colorado	9.03	8.60	7.15	6.14	6.71	7.25	7.53	9.36
Connecticut	12.21	13.51	13.09	11.43	11.96	12.13	12.80	13.48
Delaware	10.78	10.31	9.27	8.33	8.52	9.65	12.24	13.83
District of Columbia	13.11	13.64	13.79	10.81	13.31	13.85	14.65	15.19
Florida	19.04	15.60	12.63	12.93	13.43	15.48	15.76	16.14
Georgia	9.44	11.55	10.46	8.38	10.22	11.14	10.38	12.95
Hawaii	22.10	22.81	23.21	21.87	23.59	22.88	23.24	22.96
Idaho	8.53	7.96	7.15	6.28	7.04	7.28	7.58	7.84
Illinois	9.62	11.33	11.86	7.33	8.74	8.70	10.12	10.53
Indiana	10.37	9.54	9.08	6.42	6.94	6.59	8.31	8.57
Iowa	8.48	9.76	11.16	7.81	9.49	8.03	9.91	12.73
Kansas	9.19	10.00	10.84	7.64	8.84	9.07	10.57	10.90
Kentucky	9.95	10.89	9.18	7.41	8.48	8.77	9.34	10.41
Louisiana	9.36	11.02	11.83	8.34	10.80	10.36	12.48	11.03
Maine	11.39	11.75	11.29	9.71	10.85	10.46	11.19	12.46
Maryland	10.82	12.85	11.94	9.78	10.06	10.49	13.23	15.75
Massachusetts	14.17	12.84	11.24	9.91	11.46	11.08	10.83	12.18
Michigan	4.93	4.92	4.87	5.11	4.76	5.11	5.70	6.78
Minnesota	8.73	9.39	12.62	7.13	8.86	7.84	9.12	9.41
Mississippi	9.21	8.74	11.78	7.48	8.35	8.90	10.30	10.66
Missouri	10.76	10.93	9.01	7.85	9.17	9.31	10.73	12.72
Montana	7.40	6.99	6.60	6.04	6.33	6.20	6.36	7.21
Nebraska	8.25	10.31	8.72	6.45	7.54	7.88	9.07	9.83
Nevada	8.47	8.31	7.11	6.63	6.29	6.33	7.47	7.98
New Hampshire	13.02	12.07	11.71	10.07	12.13	12.68	10.99	12.55
New Jersey	7.35	6.96	6.93	7.28	6.98	6.74	6.24	6.54
New Mexico	13.44	9.34	8.25	6.10	6.80	5.78	5.54	6.61
New York	10.99	12.04	12.24	9.86	9.02	10.16	12.15	15.05
North Carolina	12.56	13.28	11.52	9.53	9.97	10.90	12.63	15.24
North Dakota	8.32	9.17	9.74	6.37	7.85	7.70	8.00	8.80
Ohio	10.87	11.02	9.31	7.70	9.41	9.40	9.38	10.57
Oklahoma	8.70	9.09	7.23	7.36	7.77	8.89	10.27	11.33
Oregon	9.09	8.94	8.78	8.12	8.90	9.16	9.40	9.41
Pennsylvania	11.76	10.92	10.09	8.49	9.21	9.19	10.08	10.64
Rhode Island	11.60	11.55	11.34	9.83	10.98	13.26	11.90	12.04
South Carolina	12.38	13.41	12.92	9.15	10.09	10.96	10.34	11.46
South Dakota	8.30	10.40	11.20	7.34	8.62	7.72	9.11	11.03
Tennessee	8.51	14.43	10.15	7.48	8.35	9.54	9.36	10.33
Texas	8.85	9.08	11.21	7.41	8.05	8.57	10.70	11.41
Utah	8.82	8.44	8.26	6.20	6.29	6.12	6.00	5.75
Vermont	9.26	9.23	9.18	8.13	9.34	8.88	8.49	9.93
Virginia	11.27	12.73	12.15	9.98	10.04	9.87	11.96	14.08
Washington	10.09	9.70	8.22	7.16	7.98	8.20	8.72	9.31
West Virginia	7.11	7.05	6.97	7.46	7.13	7.61	8.21	10.11
Wisconsin	8.73	9.05	12.21	7.55	9.40	8.48	8.69	8.51
Wyoming	13.00	8.91	7.54	6.11	7.85	6.71	6.73	6.74
Total	9.91	10.33	10.06	7.76	8.56	8.58	9.44	10.10

^R Revised Data.

NA Not Available.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002			2001	
				March	February	January	Total	December
Alabama	8.72	10.30	6.73	8.63	8.99	8.54	10.37	9.75
Alaska	3.38	2.72	2.13	3.40	3.32	3.42	2.63	2.95
Arizona	9.11	7.81	6.56	9.04	8.92	9.34	8.15	9.14
Arkansas	NA	NA	3.92	NA	6.90	NA	NA	NA
California	5.99	13.08	6.53	5.50	5.84	6.53	9.00	5.16
Colorado	4.65	7.59	4.78	5.04	4.18	4.76	7.46	4.64
Connecticut	NA	9.45	7.03	5.98	NA	^R 7.41	NA	NA
Delaware	9.42	8.89	6.17	9.41	9.34	9.49	9.56	9.58
District of Columbia	10.28	13.58	9.01	10.36	10.07	10.39	12.40	10.88
Florida	7.59	12.25	6.89	7.34	7.63	7.77	10.61	7.68
Georgia	5.15	10.80	6.91	5.05	5.13	5.25	8.72	6.23
Hawaii	17.18	18.12	16.08	16.92	17.03	17.58	17.61	18.00
Idaho	8.25	NA	4.80	8.30	8.18	^R 8.29	NA	8.33
Illinois	5.18	10.52	5.07	5.31	^R 5.11	5.14	NA	NA
Indiana	6.04	NA	5.03	5.80	5.87	6.41	NA	5.83
Iowa	4.79	8.56	4.88	4.98	4.69	4.72	NA	NA
Kansas	6.76	9.87	5.68	6.64	6.55	7.05	9.15	7.24
Kentucky	6.93	9.41	5.42	6.03	7.12	7.50	NA	7.17
Louisiana	NA	NA	5.23	NA	6.15	6.58	NA	NA
Maine	10.40	10.50	7.08	10.36	10.81	10.08	^R 10.77	13.45
Maryland	NA	11.08	6.99	7.38	NA	NA	NA	NA
Massachusetts	8.76	12.18	8.35	8.29	8.78	9.15	NA	NA
Michigan	5.80	4.83	4.60	5.91	5.88	5.63	5.30	5.58
Minnesota	4.87	9.67	4.81	5.07	4.70	4.79	^R 7.57	^R 4.77
Mississippi	5.51	9.72	5.32	4.99	5.63	5.83	NA	5.61
Missouri	6.75	9.99	5.80	6.45	6.84	6.94	9.68	6.26
Montana	5.44	6.22	5.29	5.06	5.44	5.82	6.64	6.25
Nebraska	4.73	8.72	4.44	4.62	4.65	4.89	7.19	5.07
Nevada	7.55	7.12	5.40	8.07	7.81	6.94	7.97	8.10
New Hampshire	8.27	11.71	8.02	8.19	8.15	8.48	NA	NA
New Jersey	5.78	8.97	5.78	6.41	5.72	5.44	7.73	6.06
New Mexico	4.24	7.74	4.24	3.47	4.12	4.94	6.28	3.80
New York	8.20	9.95	9.02	7.77	8.35	8.46	8.26	8.76
North Carolina	6.86	11.09	6.92	6.54	6.94	7.03	10.03	8.10
North Dakota	4.70	8.88	4.45	4.34	3.78	5.77	6.90	4.35
Ohio	6.52	9.87	5.89	5.88	6.65	6.91	9.32	6.90
Oklahoma	NA	9.30	5.57	NA	7.50	NA	8.82	7.31
Oregon	9.15	7.59	7.20	9.12	9.18	9.15	5.13	9.14
Pennsylvania	8.03	10.76	7.03	7.94	8.16	7.97	10.68	8.50
Rhode Island	NA	10.38	7.52	10.14	10.10	NA	10.70	10.68
South Carolina	7.85	11.81	7.19	7.81	7.73	7.98	10.05	8.12
South Dakota	4.87	9.14	4.54	5.03	4.71	4.85	NA	NA
Tennessee	6.94	10.43	5.57	6.74	7.20	6.85	NA	7.31
Texas	4.91	9.71	4.63	4.70	5.31	4.79	7.52	5.23
Utah	5.23	7.23	4.74	5.17	5.25	5.26	6.79	6.08
Vermont	8.25	7.70	6.18	8.23	8.30	8.23	7.95	8.35
Virginia	6.39	10.46	6.22	5.81	6.80	6.49	9.63	7.86
Washington	NA	8.31	5.56	NA	NA	8.27	NA	8.56
West Virginia	7.27	5.18	6.35	7.02	7.55	7.22	6.00	7.70
Wisconsin	5.75	9.18	5.13	5.70	5.52	5.99	7.60	5.44
Wyoming	5.01	8.23	4.27	4.92	5.30	4.93	8.31	4.92
Total	6.45	9.37	5.84	6.28	^R6.52	^R6.53	^R8.10	^R6.50

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	9.57	9.02	11.03	11.25	11.31	11.40	11.22	10.68
Alaska	2.83	2.83	2.46	2.15	2.29	2.16	2.36	2.45
Arizona	8.73	8.25	8.23	8.29	8.23	8.02	8.11	7.53
Arkansas	NA	5.97	6.42	6.73	NA	NA	NA	NA
California	5.00	4.50	5.36	6.45	7.06	9.31	10.40	11.17
Colorado	4.97	7.80	9.32	9.32	9.13	9.04	9.00	8.75
Connecticut	NA	7.32	NA	7.00	6.87	5.36	6.09	7.78
Delaware	9.66	10.23	10.68	11.25	10.98	10.64	10.81	10.10
District of Columbia	10.68	10.08	10.10	10.47	10.97	11.12	12.32	12.82
Florida	7.68	8.07	8.84	9.02	9.32	9.71	12.19	12.78
Georgia	5.94	5.90	5.87	6.44	7.28	7.13	7.74	8.60
Hawaii	18.27	17.48	17.30	17.54	17.24	17.17	17.22	16.78
Idaho	8.55	9.88	8.49	8.48	8.29	8.25	8.21	8.17
Illinois	5.50	4.84	6.36	7.61	7.48	9.12	8.86	8.61
Indiana	7.23	7.36	NA	NA	NA	NA	NA	10.67
Iowa	5.20	4.19	6.21	6.80	NA	7.59	8.47	7.68
Kansas	7.27	7.50	7.85	8.33	8.39	9.61	10.13	8.66
Kentucky	7.43	8.99	9.32	9.04	10.21	NA	11.23	9.58
Louisiana	NA	NA	NA	NA	NA	6.57	7.32	7.58
Maine	^R 9.64	5.53	9.16	12.19	13.39	12.71	7.90	13.48
Maryland	8.38	6.88	NA	9.16	9.26	10.53	10.97	10.94
Massachusetts	9.90	11.21	10.97	11.03	11.52	11.64	12.59	12.54
Michigan	5.53	5.81	6.36	6.94	7.23	6.79	6.60	5.08
Minnesota	5.71	3.84	4.56	5.32	5.62	6.06	7.43	7.74
Mississippi	NA	4.69	NA	5.70	5.78	6.98	8.19	8.80
Missouri	9.16	10.09	10.67	10.94	10.90	10.85	10.20	10.46
Montana	6.34	6.58	7.84	7.89	8.04	7.72	7.87	7.52
Nebraska	4.74	4.03	4.74	5.26	5.22	6.13	6.92	7.22
Nevada	9.79	8.46	9.01	8.77	8.09	7.91	7.81	7.79
New Hampshire	NA	9.86	11.66	12.43	12.87	12.03	9.76	11.34
New Jersey	5.54	6.27	6.46	6.72	6.06	6.42	7.05	7.05
New Mexico	3.80	3.91	3.86	5.18	5.55	4.54	7.70	9.45
New York	7.58	7.97	7.94	8.20	8.66	3.96	5.22	8.45
North Carolina	7.94	8.53	8.70	9.35	9.70	9.88	9.88	10.30
North Dakota	4.67	3.85	5.11	5.45	6.36	7.51	7.49	7.38
Ohio	6.59	7.80	8.32	8.42	11.71	11.04	11.26	10.58
Oklahoma	7.77	7.88	8.77	8.09	9.75	9.72	8.32	8.40
Oregon	4.18	2.69	2.37	2.36	2.34	2.62	7.51	7.70
Pennsylvania	9.73	9.73	11.55	11.83	12.05	11.44	12.25	12.07
Rhode Island	11.27	11.42	11.26	11.77	12.25	11.78	10.82	10.44
South Carolina	8.04	8.17	8.67	8.72	8.72	9.04	9.65	10.11
South Dakota	5.09	4.02	5.34	5.39	NA	6.90	7.20	7.66
Tennessee	NA	7.85	8.05	9.02	8.43	9.22	9.04	8.80
Texas	6.88	4.95	4.37	4.34	6.62	7.30	9.56	7.40
Utah	6.51	5.79	6.93	7.13	7.05	6.90	6.87	6.54
Vermont	8.61	8.65	8.85	8.69	7.04	7.99	7.73	7.76
Virginia	8.42	8.09	8.77	9.25	10.05	9.95	9.47	9.37
Washington	NA	NA	2.54	2.64	2.63	NA	9.04	9.04
West Virginia	6.55	6.55	6.64	6.75	7.14	6.71	6.58	6.38
Wisconsin	6.17	3.62	4.57	6.40	5.56	6.34	8.21	8.31
Wyoming	6.68	8.11	8.85	8.98	9.55	8.67	11.04	11.72
Total	6.52	5.89	6.29	6.59	7.01	6.91	8.50	8.85

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001			2000				
	March	February	January	Total	December	November	October	September
Alabama	10.90	11.06	9.46	7.68	8.89	9.40	8.85	8.63
Alaska	2.69	2.75	2.73	2.04	2.30	2.10	1.96	1.91
Arizona	7.57	8.40	7.47	6.69	6.99	7.88	6.83	6.72
Arkansas	NA	NA	NA	5.41	6.67	5.67	8.56	5.86
California	13.70	13.76	11.91	7.51	10.41	8.76	8.52	7.96
Colorado	8.21	7.94	6.78	5.37	6.23	6.37	5.93	6.13
Connecticut	8.41	9.78	10.05	6.62	8.38	7.14	5.96	4.51
Delaware	7.96	11.18	7.78	6.98	8.16	7.42	7.92	18.75
District of Columbia	12.55	13.98	14.07	9.62	12.71	12.72	11.58	10.93
Florida	14.06	12.98	10.19	7.70	9.19	8.47	8.11	8.28
Georgia	9.77	11.36	10.90	7.02	9.67	9.67	9.64	8.59
Hawaii	17.31	18.15	18.91	17.29	18.30	18.11	18.15	17.96
Idaho	7.81	NA	6.55	5.47	6.33	6.60	6.58	6.36
Illinois	9.10	10.85	11.23	6.90	8.63	8.42	9.50	9.06
Indiana	NA	NA	NA	5.74	6.53	5.89	6.80	6.13
Iowa	7.57	8.69	9.11	6.69	8.93	7.26	7.76	8.80
Kansas	8.83	9.88	10.56	6.80	8.49	8.57	8.69	7.50
Kentucky	9.70	10.26	8.68	6.68	8.26	7.83	8.43	7.82
Louisiana	NA	10.41	12.12	7.41	10.95	10.54	10.11	8.01
Maine	10.67	10.89	^R 10.05	6.06	1.76	3.10	5.00	9.58
Maryland	9.92	12.29	10.99	8.08	8.59	8.82	10.92	10.64
Massachusetts	13.99	12.33	10.51	8.61	10.53	9.63	9.03	6.70
Michigan	4.85	4.80	4.83	4.79	4.68	4.84	5.23	5.54
Minnesota	7.77	9.43	11.44	5.99	8.13	6.83	7.27	6.64
Mississippi	7.92	8.32	11.65	6.48	8.05	7.09	7.74	6.88
Missouri	10.77	10.62	9.05	6.91	9.00	8.41	8.35	8.29
Montana	9.50	5.01	6.82	5.90	6.27	6.22	6.25	6.74
Nebraska	7.79	9.86	8.41	5.48	7.41	6.59	7.44	6.16
Nevada	7.62	7.65	6.22	5.54	5.50	5.50	5.72	5.82
New Hampshire	12.22	11.73	11.18	8.52	10.78	10.37	8.75	9.08
New Jersey	7.18	9.70	9.68	5.92	9.43	7.39	7.35	7.70
New Mexico	8.87	7.85	6.93	4.90	6.26	5.30	4.27	4.69
New York	9.04	11.07	9.63	7.76	12.11	8.73	6.59	5.72
North Carolina	11.48	11.71	10.43	7.61	8.75	9.39	8.83	7.93
North Dakota	7.27	8.59	10.12	5.80	7.67	6.99	7.31	6.77
Ohio	10.44	10.74	8.86	7.01	8.79	8.70	8.36	8.63
Oklahoma	8.94	9.77	9.19	6.37	7.61	7.67	7.75	7.23
Oregon	7.69	7.59	7.52	6.48	6.63	6.64	6.13	5.57
Pennsylvania	11.08	10.76	10.51	7.72	8.67	8.27	8.67	7.55
Rhode Island	10.36	10.42	10.35	8.54	10.32	9.97	10.72	10.49
South Carolina	10.64	12.03	12.35	7.72	9.62	9.27	8.19	7.85
South Dakota	7.20	9.25	10.81	6.05	7.96	6.96	7.22	7.76
Tennessee	8.88	12.47	9.89	6.82	8.65	8.48	8.16	7.23
Texas	8.36	9.55	10.67	5.74	7.36	7.15	7.39	6.22
Utah	7.28	7.23	7.19	4.93	5.46	5.44	5.14	4.63
Vermont	7.69	7.70	7.72	6.49	7.72	7.20	6.28	6.45
Virginia	9.34	10.99	10.85	7.57	9.82	9.05	9.03	8.69
Washington	9.05	8.72	7.33	6.01	7.09	7.11	7.11	7.07
West Virginia	6.61	6.60	2.97	6.58	6.53	6.71	6.78	7.24
Wisconsin	7.87	8.30	11.11	6.32	8.34	7.32	7.16	6.73
Wyoming	10.00	8.00	6.96	5.27	7.48	6.17	5.84	5.25
Total	9.00	9.69	9.36	6.59	8.20	7.57	7.49	6.93

^R Revised Data.

NA Not Available.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for

discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002			2001	
				March	February	January	Total	December
Alabama	4.40	8.51	3.78	4.13	4.44	4.62	6.20	4.49
Alaska	1.86	1.56	1.35	1.66	1.68	2.18	1.66	1.86
Arizona	5.57	6.88	3.98	5.29	5.63	5.75	5.78	5.92
Arkansas	4.94	NA	4.30	4.63	5.00	5.17	NA	5.10
California	4.89	10.46	4.24	4.38	4.65	5.67	7.74	4.38
Colorado	NA	5.02	2.92	3.08	2.96	NA	4.19	3.30
Connecticut	5.08	9.81	5.42	4.94	5.16	5.18	6.60	5.69
Delaware	6.24	7.30	3.87	6.11	6.02	6.58	6.87	6.13
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.18	8.06	4.64	4.97	3.46	4.44	6.93	4.13
Georgia	3.74	9.36	4.27	3.81	3.59	3.83	6.14	3.49
Hawaii	9.62	11.52	8.43	9.85	10.48	8.59	11.11	10.56
Idaho	7.78	5.50	3.54	8.07	7.65	7.64	6.58	8.96
Illinois	4.42	9.13	4.19	4.40	4.66	4.21	NA	NA
Indiana	6.06	9.24	4.84	4.60	6.20	7.62	NA	3.52
Iowa	4.45	9.04	4.18	4.73	4.31	4.29	NA	NA
Kansas	NA	8.76	3.71	4.02	4.86	NA	4.83	3.89
Kentucky	4.53	8.16	3.67	4.11	4.65	4.83	6.40	4.73
Louisiana	2.40	7.19	2.68	2.03	1.99	3.22	NA	3.20
Maine	3.83	9.89	3.53	3.73	—	7.25	^R 8.33	^R 4.60
Maryland	NA	17.29	7.12	6.21	NA	NA	NA	NA
Massachusetts	NA	10.80	6.96	NA	8.52	8.29	NA	NA
Michigan	4.97	4.30	3.60	4.97	5.01	4.93	4.66	5.00
Minnesota	3.62	7.67	3.27	3.50	3.57	3.85	5.22	4.18
Mississippi	3.92	8.49	3.50	3.83	3.72	4.20	NA	3.74
Missouri	5.40	8.88	4.74	5.00	5.29	5.97	7.23	2.64
Montana	3.96	5.28	7.59	3.72	3.90	4.30	5.30	4.80
Nebraska	3.85	7.77	3.78	3.90	3.57	4.05	5.74	4.02
Nevada	7.02	6.49	4.67	7.85	6.91	6.50	NA	1.96
New Hampshire	NA	11.79	5.76	5.06	NA	6.06	NA	NA
New Jersey	3.53	8.19	4.17	3.35	3.90	3.35	5.40	4.45
New Mexico	5.29	6.20	3.05	5.36	4.23	6.78	5.82	2.52
New York	6.31	10.73	5.65	6.25	6.41	6.27	NA	NA
North Carolina	4.74	9.33	5.14	4.06	5.44	4.77	NA	4.14
North Dakota	3.26	7.54	2.92	6.24	2.22	1.17	5.28	3.37
Ohio	6.27	9.42	4.52	5.97	6.18	6.63	8.68	6.81
Oklahoma	NA	8.28	4.66	NA	6.89	7.05	7.86	6.79
Oregon	7.36	6.00	4.33	7.29	7.38	7.40	6.09	7.26
Pennsylvania	7.50	8.48	4.92	7.50	7.44	7.57	7.47	6.74
Rhode Island	6.40	8.15	3.56	5.87	6.70	6.85	6.54	6.46
South Carolina	3.80	8.19	4.09	3.79	3.46	4.11	5.46	3.96
South Dakota	4.10	7.72	3.46	4.08	4.10	4.14	6.13	4.38
Tennessee	5.26	8.72	4.53	5.31	5.12	5.36	NA	5.09
Texas	NA	6.95	2.56	NA	2.30	2.64	3.81	2.62
Utah	4.78	6.25	3.58	4.59	4.74	4.96	5.28	4.91
Vermont	4.41	6.57	2.70	4.36	4.40	4.46	^R 5.09	4.23
Virginia	4.86	9.04	5.09	4.98	4.79	4.82	NA	5.27
Washington	NA	5.96	4.04	4.88	NA	4.81	NA	4.43
West Virginia	NA	7.09	4.33	3.86	3.78	NA	3.84	2.85
Wisconsin	5.18	8.45	4.25	4.99	4.99	5.52	6.75	5.21
Wyoming	4.75	6.96	3.33	4.71	4.75	4.78	7.08	5.48
Total	3.44	7.45	3.54	3.36	3.30	3.64	4.86	3.42

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	4.72	4.25	4.48	5.15	5.42	5.62	6.67	7.16
Alaska	1.79	1.82	1.76	1.75	1.74	1.49	1.52	1.51
Arizona	5.70	4.96	5.09	5.73	4.60	5.58	5.78	5.93
Arkansas	5.72	4.59	5.47	5.40	4.28	NA	4.39	4.20
California	3.98	3.85	4.50	5.52	6.07	8.32	8.86	11.74
Colorado	3.50	2.76	4.05	4.43	4.47	4.12	4.07	4.02
Connecticut	4.91	4.50	5.05	4.48	3.03	6.10	7.02	8.05
Delaware	5.70	6.21	6.31	6.56	6.67	6.91	8.22	7.38
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.40	5.53	5.89	5.85	6.79	6.41	8.02	8.40
Georgia	4.40	3.09	3.94	4.59	5.03	5.31	6.06	6.27
Hawaii	10.76	11.18	10.62	10.89	11.07	11.17	11.23	11.08
Idaho	7.33	7.26	8.17	6.90	6.66	6.37	6.59	6.89
Illinois	3.56	3.70	4.35	4.79	2.03	3.90	2.71	5.17
Indiana	7.38	4.05	NA	8.79	NA	8.72	9.74	9.41
Iowa	4.22	3.83	5.09	5.39	NA	8.02	6.30	7.87
Kansas	3.02	3.18	4.12	4.49	4.77	5.15	6.04	7.03
Kentucky	5.05	4.74	4.25	5.06	5.53	5.85	6.26	7.23
Louisiana	NA	3.36	4.08	4.15	4.03	4.43	5.10	5.53
Maine	^R 4.42	5.75	8.25	6.65	8.06	7.98	8.00	9.16
Maryland	8.43	8.63	NA	5.75	NA	10.20	10.66	11.71
Massachusetts	8.11	6.99	9.95	9.47	8.94	9.06	10.33	12.69
Michigan	5.05	5.02	5.05	5.11	5.19	5.63	5.62	4.30
Minnesota	4.05	2.51	3.71	3.74	3.81	4.32	5.57	6.24
Mississippi	NA	3.82	3.97	4.36	4.81	4.58	6.05	6.08
Missouri	7.32	7.58	7.48	8.01	7.94	8.37	8.57	9.09
Montana	4.96	5.94	6.72	6.72	6.22	6.05	5.08	4.91
Nebraska	4.08	3.31	3.84	4.41	4.28	4.76	5.36	6.77
Nevada	9.37	9.11	NA	NA	6.93	7.41	7.39	6.86
New Hampshire	4.93	3.71	4.59	5.80	8.22	9.55	8.00	10.92
New Jersey	3.41	3.57	3.95	3.85	5.39	5.70	6.34	6.55
New Mexico	2.81	2.96	3.31	4.52	4.27	4.23	6.52	8.04
New York	NA	5.49	NA	5.46	6.04	5.73	6.79	7.98
North Carolina	4.38	NA	5.82	5.24	5.48	5.25	5.87	6.80
North Dakota	4.05	2.51	3.11	3.82	3.68	4.50	5.47	5.83
Ohio	6.53	7.53	8.90	6.94	7.92	11.26	7.57	10.19
Oklahoma	6.61	7.33	6.59	6.82	9.11	8.18	7.97	7.90
Oregon	7.26	6.63	5.72	5.59	5.46	5.59	5.79	5.80
Pennsylvania	7.26	4.97	6.14	5.81	6.23	6.89	7.40	8.59
Rhode Island	5.63	4.84	5.74	5.89	5.22	5.70	7.11	7.24
South Carolina	4.54	3.35	3.86	4.33	4.50	5.11	6.30	6.61
South Dakota	4.06	4.26	5.01	5.09	5.13	5.84	5.89	5.66
Tennessee	NA	4.89	5.63	5.60	5.80	6.44	6.81	7.04
Texas	3.41	2.29	2.56	3.28	3.33	3.91	4.79	5.37
Utah	5.05	4.26	4.93	4.99	4.89	4.42	5.14	5.52
Vermont	4.30	4.41	4.36	4.39	4.71	4.87	^R 5.03	4.71
Virginia	NA	NA	5.51	4.10	5.01	4.89	5.61	6.14
Washington	4.97	NA	4.00	3.49	NA	6.58	5.25	5.73
West Virginia	2.84	2.78	3.54	3.70	3.87	4.35	5.76	6.36
Wisconsin	5.53	3.30	4.04	4.59	4.55	6.09	6.87	7.75
Wyoming	5.09	7.76	7.82	8.01	8.06	7.52	7.92	7.65
Total	3.96	3.01	3.29	3.78	3.94	4.77	5.42	6.14

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001			2000				
	March	February	January	Total	December	November	October	September
Alabama	6.75	8.73	9.81	4.67	6.64	5.18	5.66	5.20
Alaska	1.55	1.55	1.56	1.51	2.24	1.54	1.49	1.52
Arizona	5.97	6.74	8.07	4.40	5.97	3.93	5.14	5.03
Arkansas	4.44	NA	5.30	5.23	5.15	6.89	4.71	7.29
California	11.68	11.11	8.95	5.30	7.63	6.66	6.83	6.21
Colorado	3.98	4.91	6.10	3.49	4.03	4.06	3.91	3.62
Connecticut	8.18	11.55	9.87	5.96	9.11	7.28	6.88	5.26
Delaware	11.56	4.62	7.39	5.03	6.60	5.37	4.74	7.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.16	7.85	8.13	5.82	7.08	6.57	7.70	6.72
Georgia	7.80	9.75	10.30	4.83	6.27	5.69	5.80	5.13
Hawaii	11.04	11.84	11.65	10.17	11.93	11.80	11.16	10.77
Idaho	6.35	5.56	4.87	4.02	5.54	4.82	4.73	4.10
Illinois	7.02	9.57	10.59	5.81	8.23	7.67	7.56	6.39
Indiana	12.41	8.09	8.85	5.00	5.25	5.38	6.05	4.12
Iowa	9.41	8.36	9.46	5.49	7.88	6.18	6.43	6.13
Kansas	7.49	10.27	8.66	4.01	6.59	5.34	5.16	3.74
Kentucky	7.76	8.16	8.35	4.82	7.47	6.44	6.02	5.76
Louisiana	5.35	6.54	9.53	4.02	6.30	4.75	5.31	4.75
Maine	9.43	10.22	9.22	4.10	5.77	5.10	4.32	4.27
Maryland	13.58	21.16	17.19	7.86	9.27	8.36	8.93	8.50
Massachusetts	13.84	9.71	9.44	7.47	9.61	8.75	8.24	7.79
Michigan	4.36	4.30	4.25	3.87	3.96	4.40	4.33	4.27
Minnesota	6.02	6.78	11.91	4.45	6.65	5.27	5.79	5.03
Mississippi	6.44	6.95	11.40	4.66	6.89	5.40	6.19	5.28
Missouri	9.76	10.22	7.63	5.71	8.75	7.25	6.05	4.31
Montana	5.01	6.10	4.75	7.43	8.27	8.39	8.89	10.59
Nebraska	7.16	8.59	7.53	4.74	6.79	5.68	5.07	5.44
Nevada	7.32	7.27	5.46	5.11	6.10	6.26	7.78	6.54
New Hampshire	12.66	11.42	11.24	6.18	10.28	9.48	7.24	6.34
New Jersey	7.24	9.50	8.29	5.15	7.06	8.18	7.28	5.67
New Mexico	6.95	7.37	3.72	4.39	5.56	5.12	4.81	5.26
New York	8.66	10.27	14.24	6.13	11.94	6.59	6.41	5.37
North Carolina	6.40	12.01	9.84	5.31	6.21	10.70	5.94	5.26
North Dakota	5.81	7.08	9.82	4.18	6.15	4.97	5.72	4.93
Ohio	10.29	11.06	7.83	5.12	6.37	5.89	6.11	6.05
Oklahoma	7.89	7.90	8.85	5.30	6.87	6.68	5.82	5.96
Oregon	5.86	5.93	6.21	4.93	6.01	5.65	5.52	4.32
Pennsylvania	9.19	7.43	8.99	5.03	5.88	6.04	5.58	4.85
Rhode Island	7.40	7.99	9.03	5.38	9.16	6.93	6.83	12.20
South Carolina	6.64	7.97	10.41	4.93	7.10	5.66	6.17	5.67
South Dakota	6.42	8.75	7.91	4.38	6.61	5.19	5.30	4.61
Tennessee	7.40	10.26	8.58	5.08	6.94	5.42	5.27	5.36
Texas	5.34	6.31	9.14	4.10	6.76	4.80	5.17	4.71
Utah	5.88	6.18	6.58	3.93	5.79	4.93	4.73	4.09
Vermont	5.44	6.38	8.41	2.99	3.80	3.67	3.19	3.22
Virginia	6.51	9.60	10.11	5.23	7.59	6.63	5.18	4.85
Washington	3.76	6.71	7.42	4.04	7.96	5.06	3.78	3.31
West Virginia	6.01	6.69	8.68	4.46	4.85	4.52	6.09	4.76
Wisconsin	7.04	7.61	11.36	5.45	7.68	6.44	6.39	5.88
Wyoming	7.39	6.77	6.77	4.07	5.00	4.70	6.01	3.58
Total	6.36	7.28	8.60	4.48	6.67	5.39	5.45	4.88

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001		
				February	January	Total	December	November
Alabama	NA	8.51	4.34	NA	NA	4.50	2.57	4.96
Alaska	NA	2.12	1.63	NA	NA	2.37	2.60	2.59
Arizona	NA	7.90	2.78	NA	NA	4.70	2.93	3.13
Arkansas	NA	8.39	2.86	NA	NA	4.47	2.70	3.60
California	NA	13.37	3.02	NA	NA	8.58	5.64	3.43
Colorado	NA	6.58	2.65	NA	NA	3.86	2.73	3.42
Connecticut	NA	—	—	NA	NA	—	—	—
Delaware	NA	9.03	4.45	NA	NA	4.46	3.12	—
District of Columbia	NA	—	—	NA	NA	—	—	—
Florida	NA	9.96	3.17	NA	NA	4.78	3.15	3.83
Georgia	NA	7.02	6.27	NA	NA	3.61	3.52	—
Hawaii	NA	—	—	NA	NA	—	—	—
Idaho	NA	—	—	NA	NA	—	—	—
Illinois	NA	7.99	2.87	NA	NA	4.01	3.04	2.14
Indiana	NA	7.89	3.31	NA	NA	5.26	4.07	3.95
Iowa	NA	6.09	3.09	NA	NA	4.48	3.66	3.82
Kansas	NA	7.63	2.63	NA	NA	3.64	2.63	2.56
Kentucky	NA	9.38	3.27	NA	NA	4.40	3.65	4.50
Louisiana	NA	8.62	2.81	NA	NA	4.30	2.78	3.15
Maine	NA	—	—	NA	NA	—	—	—
Maryland	NA	—	3.80	NA	NA	—	—	—
Massachusetts	NA	10.61	3.25	NA	NA	3.71	3.30	3.20
Michigan	NA	2.78	1.91	NA	NA	3.36	2.82	2.37
Minnesota	NA	10.18	2.97	NA	NA	4.67	3.48	2.99
Mississippi	NA	8.98	2.77	NA	NA	3.69	2.48	2.67
Missouri	NA	8.74	2.80	NA	NA	4.67	3.01	3.02
Montana	NA	10.38	4.07	NA	NA	7.20	4.85	5.07
Nebraska	NA	15.00	3.06	NA	NA	4.52	3.66	4.34
Nevada	NA	9.88	2.86	NA	NA	8.35	5.79	3.72
New Hampshire	NA	—	3.18	NA	NA	2.56	—	—
New Jersey	NA	—	4.53	NA	NA	3.21	3.58	3.03
New Mexico	NA	6.75	2.53	NA	NA	4.21	2.56	2.99
New York	NA	12.14	4.09	NA	NA	4.70	3.12	3.54
North Carolina	NA	—	4.27	NA	NA	4.76	4.70	5.40
North Dakota	NA	—	—	NA	NA	5.92	—	—
Ohio	NA	8.61	3.87	NA	NA	8.33	5.77	4.37
Oklahoma	NA	8.54	3.24	NA	NA	4.39	3.16	3.53
Oregon	NA	4.67	2.21	NA	NA	3.80	3.85	3.62
Pennsylvania	NA	9.06	3.28	NA	NA	7.85	—	—
Rhode Island	NA	—	—	NA	NA	—	—	—
South Carolina	NA	10.01	8.21	NA	NA	4.86	5.73	5.85
South Dakota	NA	—	—	NA	NA	—	—	—
Tennessee	NA	—	—	NA	NA	—	—	—
Texas	NA	7.65	2.66	NA	NA	4.26	2.84	3.07
Utah	NA	6.60	2.85	NA	NA	4.97	—	10.12
Vermont	NA	7.69	3.29	NA	NA	4.90	—	—
Virginia	NA	12.01	3.56	NA	NA	4.38	3.52	—
Washington	NA	—	—	NA	NA	—	—	—
West Virginia	NA	9.13	3.49	NA	NA	5.96	2.97	4.07
Wisconsin	NA	7.21	3.18	NA	NA	4.71	3.65	3.62
Wyoming	NA	4.95	2.76	NA	NA	4.04	—	—
Total	NA	8.09	2.84	NA	NA	4.52	3.12	3.30

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	October	September	August	July	June	May	April	March
Alabama	2.56	3.88	3.37	3.55	5.21	5.08	5.88	6.26
Alaska	2.66	2.45	2.46	2.44	2.32	2.27	2.32	2.13
Arizona	2.67	2.88	3.64	3.55	3.94	4.46	5.35	5.69
Arkansas	2.44	2.67	3.24	3.53	4.16	5.24	6.68	5.49
California	4.03	5.01	5.98	8.55	8.26	10.64	10.04	10.33
Colorado	2.36	2.87	2.82	2.78	3.36	4.13	5.06	5.26
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.74	—	4.00	4.16	4.76	—	7.55	6.94
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.80	3.68	4.38	4.53	4.81	5.93	6.35	5.59
Georgia	2.55	2.45	3.26	3.13	3.82	5.21	5.93	8.07
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.85	4.35	3.76	4.81	5.23	4.44	6.18	5.57
Indiana	4.04	3.78	4.07	4.56	4.67	5.85	6.05	6.80
Iowa	2.69	3.13	3.57	3.97	4.81	6.49	6.35	6.23
Kansas	2.35	2.37	3.23	3.26	3.89	4.51	5.33	5.78
Kentucky	2.83	2.85	3.75	3.80	4.45	8.53	—	7.18
Louisiana	2.26	2.44	3.22	3.40	4.06	5.03	5.82	5.65
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	2.82	2.81	3.57	3.43	4.41	5.04	7.08	7.14
Michigan	2.80	2.60	3.13	3.83	4.52	5.08	5.03	5.32
Minnesota	3.50	3.86	4.15	4.19	4.80	4.66	5.74	5.31
Mississippi	2.13	2.64	3.54	3.59	4.07	4.77	5.52	5.37
Missouri	2.90	4.62	5.01	4.80	4.68	4.37	5.82	4.89
Montana	5.44	5.34	6.26	7.66	7.94	7.66	7.25	8.32
Nebraska	2.53	3.78	3.82	3.83	3.55	3.78	6.88	5.80
Nevada	10.64	13.58	9.42	9.88	7.06	7.04	6.24	7.60
New Hampshire	2.55	2.47	3.54	—	—	—	—	—
New Jersey	3.03	—	—	—	—	—	—	—
New Mexico	2.31	2.80	3.21	3.40	3.92	4.94	5.45	6.07
New York	2.75	2.88	3.72	3.54	9.26	5.31	6.12	6.32
North Carolina	3.58	3.80	4.63	4.69	5.34	6.06	7.81	—
North Dakota	—	4.49	—	—	—	6.28	—	6.52
Ohio	6.30	9.74	6.51	8.52	9.49	9.45	9.22	9.50
Oklahoma	3.03	2.73	3.49	3.59	4.14	5.41	6.07	6.42
Oregon	3.23	3.20	3.25	3.32	3.59	3.72	4.12	4.32
Pennsylvania	—	—	—	—	—	—	—	5.53
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	2.34	5.68	5.84	6.63	6.28	5.84	6.49	6.89
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.53	2.70	3.46	3.49	4.04	4.79	5.48	5.38
Utah	6.67	3.96	3.64	3.69	4.11	3.93	4.32	4.78
Vermont	—	—	—	—	4.67	4.63	5.84	5.84
Virginia	—	3.06	4.05	4.15	5.00	7.54	10.08	22.19
Washington	—	—	—	—	—	—	—	—
West Virginia	5.44	4.07	4.25	4.81	7.87	9.37	6.80	8.45
Wisconsin	2.81	3.33	4.08	3.66	4.65	5.66	6.07	5.88
Wyoming	3.61	—	3.03	3.48	2.66	3.71	4.06	5.06
Total	2.79	3.15	3.72	3.83	4.51	5.14	5.70	5.69

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	6.05	9.75	4.52	1.18	9.80	6.70	4.84	4.02
Alaska	2.13	2.12	1.77	1.96	1.98	1.97	1.82	1.77
Arizona	6.76	9.53	4.86	8.65	6.07	5.49	4.93	4.45
Arkansas	6.31	8.88	4.46	10.81	6.37	5.31	5.24	4.43
California	14.57	12.35	5.88	19.91	7.68	6.19	6.01	4.85
Colorado	6.13	7.11	4.12	7.93	4.97	4.00	3.73	3.94
Connecticut	—	—	—	—	—	—	—	—
Delaware	7.43	10.46	4.92	11.14	8.39	7.84	6.53	5.30
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.91	10.87	4.50	6.63	5.57	6.24	5.54	4.73
Georgia	6.90	7.23	4.31	10.85	8.94	8.81	5.32	4.02
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.44	9.49	4.84	10.60	6.57	6.50	6.30	4.38
Indiana	7.98	7.71	4.56	7.71	5.80	6.61	5.97	4.38
Iowa	7.11	5.31	4.56	7.04	5.54	5.98	5.43	4.57
Kansas	6.06	9.10	4.18	8.79	5.74	5.12	4.91	4.41
Kentucky	8.24	10.32	5.08	7.22	5.81	6.26	5.28	4.73
Louisiana	6.88	10.07	4.55	8.97	5.64	5.62	5.19	4.47
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	4.62	—	—	—	5.90	5.17
Massachusetts	7.46	13.46	4.60	8.93	5.56	5.94	5.58	5.07
Michigan	5.11	1.33	2.77	2.81	3.16	1.88	1.85	3.26
Minnesota	7.83	11.79	4.54	6.52	5.62	5.73	3.82	4.70
Mississippi	6.38	10.26	4.01	9.29	5.76	5.44	5.10	4.31
Missouri	6.09	12.36	4.42	5.00	6.33	5.40	5.29	4.73
Montana	9.73	10.88	5.81	7.31	13.52	7.46	4.54	5.26
Nebraska	9.75	23.69	4.60	3.62	5.99	5.51	5.62	4.43
Nevada	9.05	10.52	4.86	11.56	7.48	4.87	5.07	4.56
New Hampshire	—	—	3.37	—	—	—	—	—
New Jersey	—	—	4.42	—	—	—	5.42	—
New Mexico	6.06	7.87	3.94	7.35	5.14	4.82	4.58	4.35
New York	8.12	17.03	4.68	10.22	5.65	6.07	5.65	4.72
North Carolina	—	—	4.43	8.79	7.57	5.60	5.54	4.90
North Dakota	—	—	—	—	—	—	—	—
Ohio	9.51	7.47	4.97	6.39	5.81	5.89	6.39	5.97
Oklahoma	6.23	10.20	4.54	7.76	5.29	5.83	5.10	4.39
Oregon	4.16	5.41	2.94	4.74	3.78	2.71	2.67	2.40
Pennsylvania	7.29	11.04	3.83	6.67	6.02	5.77	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.24	10.98	5.72	9.82	7.02	6.55	6.34	6.26
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	6.09	9.01	4.24	7.95	5.23	5.34	4.81	4.32
Utah	6.30	6.92	4.02	6.15	5.23	4.66	3.57	3.60
Vermont	7.69	—	4.91	7.05	6.54	5.60	5.56	4.70
Virginia	34.18	4.00	4.66	2.12	9.11	7.65	7.53	5.31
Washington	—	—	—	—	—	—	—	—
West Virginia	10.14	8.10	4.98	5.73	6.03	6.15	4.87	5.52
Wisconsin	6.57	8.65	4.48	7.23	5.43	5.92	5.29	4.77
Wyoming	4.91	5.00	3.92	4.22	3.47	1.09	8.55	4.61
Total	6.85	9.47	4.38	8.23	5.37	5.17	4.85	4.27

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^{NA} Not Available.

— Not Applicable.

Notes: January and February 2002 data not available in time for publication. See box on page one for more information. Data through 2000

are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002

State	YTD 2002		YTD 2001		YTD 2000		2002	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	March	
							Commercial	Industrial
Alabama	60.9	18.1	83.3	14.4	84.6	23.1	40.7	20.0
Alaska	60.1	90.9	65.9	92.2	57.2	99.8	61.5	99.2
Arizona	94.4	65.9	92.8	49.4	85.5	45.6	93.2	64.1
Arkansas	NA	3.6	NA	NA	92.7	8.3	NA	4.1
California	70.0	4.2	65.2	4.1	59.9	7.4	72.1	6.7
Colorado	95.2	NA	99.9	9.9	98.4	10.5	99.5	0.1
Connecticut	NA	NA	76.2	57.7	76.8	44.2	85.2	NA
Delaware	76.2	15.2	98.5	20.4	98.0	9.9	50.4	23.4
District of Columbia	23.5	—	29.9	—	46.4	—	22.6	—
Florida	45.3	1.4	58.9	3.0	70.9	4.4	43.7	1.6
Georgia	8.7	5.5	11.6	7.8	17.2	22.6	9.8	4.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	78.2	2.7	89.3	3.0	89.0	3.5	75.6	2.6
Illinois	41.8	10.3	44.5	12.9	46.2	10.4	41.0	10.6
Indiana	77.3	7.4	NA	10.8	79.4	8.7	78.9	9.0
Iowa	80.8	7.0	87.4	7.6	86.0	7.6	80.7	7.6
Kansas	62.5	3.1	65.8	2.5	63.9	5.4	63.1	3.7
Kentucky	75.7	17.0	85.4	20.1	87.9	20.2	68.0	17.6
Louisiana	NA	12.3	NA	8.5	96.9	11.9	NA	13.2
Maine	53.7	100.0	100.0	96.7	100.0	56.1	50.2	100.0
Maryland	NA	NA	45.3	4.9	41.8	6.7	36.8	2.4
Massachusetts	53.8	NA	64.9	23.3	68.0	17.1	56.4	NA
Michigan	70.8	11.4	68.5	13.8	62.8	10.1	76.1	13.7
Minnesota	89.6	25.6	98.6	42.7	96.5	38.6	85.6	39.1
Mississippi	96.5	28.0	93.5	25.6	96.7	25.2	96.1	27.2
Missouri	81.9	22.8	86.6	19.4	84.4	20.9	85.8	23.0
Montana	76.7	3.2	79.5	2.9	74.5	2.6	81.8	3.7
Nebraska	63.2	20.3	66.3	25.8	63.2	18.2	58.7	25.4
Nevada	89.1	8.0	71.0	5.0	62.3	9.8	87.3	60.8
New Hampshire	84.2	NA	90.9	32.4	94.4	35.9	84.2	46.7
New Jersey	56.6	41.3	64.4	39.8	52.2	48.5	53.8	20.2
New Mexico	72.9	6.9	67.6	29.0	65.2	11.2	63.7	4.4
New York	49.4	6.1	67.8	6.2	35.7	4.0	48.4	8.5
North Carolina	91.7	27.3	98.1	37.1	96.6	41.2	90.6	27.0
North Dakota	NA	17.0	91.6	15.2	90.3	23.5	NA	18.1
Ohio	37.4	4.2	46.0	5.3	48.0	7.5	33.8	3.3
Oklahoma	NA	NA	68.4	5.6	78.9	5.3	NA	NA
Oregon	92.9	16.1	100.0	15.2	98.8	14.5	98.9	19.9
Pennsylvania	60.3	6.1	67.1	12.9	60.6	11.8	57.7	5.7
Rhode Island	NA	2.3	63.9	3.8	59.5	6.6	NA	62.9
South Carolina	97.6	81.8	98.2	85.9	98.5	84.7	97.0	78.8
South Dakota	NA	NA	86.6	34.1	80.8	45.6	89.3	36.7
Tennessee	91.1	26.3	94.9	24.1	94.7	38.5	91.9	28.6
Texas	85.6	NA	51.9	23.4	79.7	29.0	75.3	NA
Utah	88.0	13.4	87.5	10.8	86.3	10.1	90.3	93.6
Vermont	100.0	79.8	100.0	84.1	100.0	83.3	100.0	80.2
Virginia	64.1	15.8	77.4	13.9	69.4	17.9	61.8	18.5
Washington	NA	NA	94.9	22.0	95.8	27.7	NA	30.7
West Virginia	46.9	NA	77.9	6.9	61.9	7.7	44.5	14.4
Wisconsin	78.6	21.8	78.9	25.3	81.6	24.9	78.9	23.6
Wyoming	86.8	2.1	86.3	5.4	89.4	1.9	89.4	2.9
Total	66.1	20.8	68.9	15.6	65.6	18.7	65.4	20.8

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2002				2001			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.9	15.5	76.0	16.9	77.9	13.4	72.3	12.7
Alaska	58.9	99.2	59.8	99.3	66.1	89.7	63.9	99.4
Arizona	94.8	53.9	94.9	68.9	93.1	55.6	96.0	63.8
Arkansas	65.5	3.5	NA	4.7	NA	NA	NA	3.8
California	69.0	7.4	69.2	6.1	62.9	3.1	68.3	5.1
Colorado	99.2	—	89.0	NA	99.9	11.0	100.0	0.2
Connecticut	NA	56.4	^R 72.0	39.4	NA	56.6	NA	50.2
Delaware	98.1	13.3	97.6	12.6	98.5	16.5	98.1	16.7
District of Columbia	23.8	—	23.8	—	25.8	—	25.5	—
Florida	44.6	2.5	47.7	1.6	50.5	2.2	44.5	3.0
Georgia	8.1	6.3	8.5	5.7	11.0	5.8	7.3	6.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	78.6	2.8	^R 79.9	2.6	80.7	2.2	79.4	2.4
Illinois	^R 43.1	10.7	41.3	11.3	NA	NA	NA	NA
Indiana	76.2	7.2	76.9	7.5	NA	NA	81.3	9.1
Iowa	82.4	4.6	79.6	8.3	NA	NA	NA	NA
Kansas	64.0	2.8	60.9	2.9	60.5	7.7	54.7	3.6
Kentucky	77.1	16.9	81.9	16.6	80.1	15.9	75.0	14.4
Louisiana	66.0	12.6	61.2	11.1	NA	NA	NA	8.3
Maine	53.3	—	57.4	100.0	^R 100.0	^R 44.7	^R 100.0	^R 7.6
Maryland	NA	NA	NA	NA	NA	NA	NA	NA
Massachusetts	50.2	55.1	55.3	29.3	NA	NA	NA	NA
Michigan	68.7	12.9	68.5	14.0	63.3	8.6	68.3	11.6
Minnesota	90.8	16.0	93.2	21.3	98.2	40.6	^R 95.6	39.6
Mississippi	95.9	29.5	97.4	27.4	NA	NA	95.1	28.3
Missouri	80.4	24.4	80.1	21.4	80.3	15.3	77.6	31.3
Montana	73.6	3.0	74.6	3.1	76.8	2.2	81.5	3.0
Nebraska	57.5	16.6	75.0	19.4	61.4	16.6	55.2	16.7
Nevada	88.7	46.5	90.7	62.0	73.2	7.8	88.9	77.6
New Hampshire	84.0	NA	84.5	32.1	NA	NA	NA	NA
New Jersey	55.3	21.4	59.7	27.2	59.0	43.8	58.7	21.1
New Mexico	75.9	5.4	78.2	2.7	66.3	17.3	76.1	11.4
New York	49.3	14.2	50.4	9.3	50.0	NA	47.5	NA
North Carolina	91.6	25.1	92.7	29.9	93.3	28.7	89.2	27.9
North Dakota	92.8	19.9	72.7	14.4	90.2	9.9	93.2	18.0
Ohio	37.1	3.3	41.3	3.5	40.8	3.3	39.5	3.0
Oklahoma	74.5	4.9	NA	5.4	58.6	3.4	69.1	3.7
Oregon	98.9	20.4	83.7	18.5	99.0	15.1	99.0	21.7
Pennsylvania	60.4	6.8	62.7	7.3	62.8	8.5	61.4	6.7
Rhode Island	61.1	48.3	NA	53.4	58.0	2.9	52.4	100.0
South Carolina	97.2	81.9	98.4	84.6	96.6	79.9	96.2	81.3
South Dakota	85.3	50.0	NA	NA	NA	25.9	NA	43.1
Tennessee	93.7	24.4	88.5	26.4	91.8	19.8	91.5	21.1
Texas	90.8	44.1	91.9	41.0	51.5	33.4	72.5	38.8
Utah	87.1	94.8	87.3	94.4	84.6	10.5	86.2	94.0
Vermont	100.0	79.9	100.0	79.3	100.0	^R 76.0	100.0	79.2
Virginia	66.0	19.8	64.4	14.1	67.5	NA	65.5	9.2
Washington	NA	NA	74.3	37.1	NA	NA	97.3	45.7
West Virginia	51.0	14.2	45.8	NA	60.9	15.4	37.1	64.3
Wisconsin	78.5	21.5	78.4	23.2	76.3	18.9	83.6	21.9
Wyoming	91.4	2.0	83.0	1.8	^R 86.0	4.1	96.0	2.7
Total	^R65.7	20.8	^R67.0	20.9	63.9	16.7	^R66.6	19.5

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2001							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.1	15.7	72.1	12.2	70.8	14.1	71.8	13.9
Alaska	64.6	99.3	62.1	94.9	68.9	94.4	71.6	89.8
Arizona	94.1	64.2	94.5	63.0	93.4	54.9	91.6	45.8
Arkansas	NA	3.9	47.3	4.2	40.9	3.6	38.9	3.9
California	63.5	5.3	64.0	5.2	60.8	4.1	60.6	4.3
Colorado	100.0	0.5	100.0	0.6	100.0	2.3	100.0	3.7
Connecticut	NA	60.2	71.2	75.6	NA	60.4	71.6	63.5
Delaware	98.0	15.3	98.4	12.1	98.8	14.6	98.5	12.0
District of Columbia	22.5	—	21.4	—	19.2	—	27.1	—
Florida	40.7	2.3	40.7	1.9	41.7	1.7	45.5	2.3
Georgia	10.5	6.1	7.4	5.5	9.9	5.5	12.0	5.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	76.0	1.9	69.3	1.6	75.9	1.6	61.9	1.9
Illinois	36.0	9.8	36.0	8.0	30.9	7.3	27.5	5.6
Indiana	72.1	5.9	68.9	7.4	NA	NA	NA	0.8
Iowa	75.9	9.5	71.7	6.9	60.1	4.4	81.7	4.4
Kansas	46.7	6.6	48.0	6.4	53.5	14.0	50.3	18.8
Kentucky	79.1	13.8	73.5	16.5	71.6	14.6	75.0	14.6
Louisiana	NA	NA	NA	5.9	NA	6.4	NA	4.6
Maine	^R 100.0	^R 20.1	100.0	32.9	100.0	19.1	100.0	41.5
Maryland	36.6	2.6	37.6	3.5	NA	NA	28.6	6.7
Massachusetts	50.7	28.8	42.1	18.0	45.1	17.8	45.5	9.9
Michigan	61.7	9.3	57.2	7.0	49.2	5.8	40.1	5.6
Minnesota	98.0	32.2	98.5	50.4	98.7	36.5	97.6	44.4
Mississippi	NA	NA	95.8	20.4	NA	28.0	93.6	29.4
Missouri	71.0	11.6	67.9	9.3	67.2	9.0	65.4	7.3
Montana	75.4	1.9	75.0	1.2	67.7	1.0	69.8	0.1
Nebraska	59.0	10.6	69.3	17.7	58.1	11.8	61.3	11.4
Nevada	85.2	45.9	82.9	39.3	71.1	33.4	70.4	36.7
New Hampshire	NA	56.5	51.6	32.2	52.6	31.6	45.6	21.3
New Jersey	56.1	15.6	53.2	16.8	45.5	20.5	46.0	15.5
New Mexico	87.7	10.8	61.4	9.7	63.6	12.3	64.4	11.7
New York	44.2	NA	30.3	10.3	21.0	NA	22.9	17.5
North Carolina	87.5	20.3	84.8	14.3	86.9	19.9	86.1	17.9
North Dakota	90.9	13.5	89.2	12.2	84.5	8.1	84.1	4.8
Ohio	41.0	2.5	36.7	2.3	24.8	0.5	27.2	2.1
Oklahoma	48.7	3.4	39.0	2.1	35.1	2.6	42.5	2.5
Oregon	100.0	20.8	100.0	13.1	100.0	23.7	99.8	27.1
Pennsylvania	59.2	5.9	55.4	7.3	52.9	6.5	54.5	6.0
Rhode Island	49.4	100.0	41.9	100.0	47.3	100.0	46.2	100.0
South Carolina	95.8	79.2	92.1	76.2	93.6	77.5	95.8	77.8
South Dakota	82.0	43.3	80.2	29.4	75.6	17.2	75.3	15.5
Tennessee	88.4	18.2	85.5	15.5	86.3	18.7	82.8	17.5
Texas	57.4	37.5	47.2	44.9	45.6	45.1	58.4	42.3
Utah	83.2	94.1	80.7	94.8	78.3	94.8	76.5	95.3
Vermont	100.0	76.2	100.0	73.7	100.0	71.0	100.0	68.1
Virginia	60.1	NA	61.3	NA	54.8	10.1	51.6	8.1
Washington	NA	31.5	NA	NA	97.4	34.6	97.1	34.8
West Virginia	67.8	29.5	32.8	9.6	48.7	6.7	49.2	10.1
Wisconsin	75.8	18.9	73.0	15.0	60.2	10.3	56.6	11.7
Wyoming	64.8	3.2	85.5	3.4	89.6	2.9	79.2	2.9
Total	63.0	18.0	57.9	19.3	52.2	19.1	54.2	18.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2001							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.7	13.5	70.7	13.8	73.3	10.1	80.6	12.6
Alaska	70.6	90.6	73.2	92.8	65.6	97.2	65.7	99.7
Arizona	92.8	65.5	93.9	56.8	92.7	53.9	89.3	51.4
Arkansas	NA	10.3	NA	NA	NA	10.8	NA	10.7
California	60.1	4.2	66.5	5.0	63.0	5.8	52.2	6.7
Colorado	100.0	3.9	100.0	1.0	100.0	0.8	100.0	0.2
Connecticut	77.8	37.6	83.8	46.8	77.5	61.3	73.1	52.8
Delaware	100.0	15.2	98.4	20.9	98.5	15.2	98.7	13.4
District of Columbia	19.0	—	21.3	—	23.9	—	24.1	—
Florida	46.3	1.4	49.5	4.6	53.4	4.2	57.7	3.5
Georgia	11.0	5.5	13.3	6.2	13.3	6.2	15.4	5.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	61.6	1.6	64.3	1.7	69.5	2.1	86.4	2.1
Illinois	30.0	5.4	29.0	6.2	33.6	6.6	40.4	8.2
Indiana	NA	NA	NA	3.3	NA	3.8	78.9	6.3
Iowa	NA	NA	71.5	2.7	69.7	6.0	77.2	4.7
Kansas	52.0	15.6	52.9	7.9	55.4	6.4	67.1	2.4
Kentucky	71.5	14.6	63.9	13.3	73.6	15.0	75.6	11.6
Louisiana	NA	8.7	95.6	6.4	95.7	7.5	97.2	8.0
Maine	100.0	50.8	100.0	46.2	100.0	38.2	100.0	91.0
Maryland	28.2	1.9	28.2	2.4	30.4	4.1	35.2	3.3
Massachusetts	49.0	13.5	45.7	19.6	48.7	22.7	61.8	25.2
Michigan	41.6	5.0	48.3	5.1	57.8	8.3	62.6	12.5
Minnesota	98.8	38.8	99.4	38.8	97.6	35.3	98.6	41.4
Mississippi	93.4	25.9	93.9	31.9	92.5	24.3	95.1	31.8
Missouri	67.9	8.9	69.8	9.5	71.6	10.4	82.6	13.5
Montana	68.6	0.9	69.0	1.9	68.7	2.3	75.1	2.6
Nebraska	60.6	7.3	56.1	14.9	51.4	17.6	53.7	18.7
Nevada	82.0	36.5	54.8	11.8	58.0	12.0	64.2	18.1
New Hampshire	84.0	10.0	88.6	13.4	82.5	21.4	92.1	60.2
New Jersey	47.5	18.6	47.3	19.5	50.9	21.2	60.4	21.9
New Mexico	62.4	3.8	60.1	5.3	60.6	5.5	48.5	47.9
New York	22.3	17.1	55.1	18.9	56.2	20.9	65.0	17.6
North Carolina	87.1	21.3	88.3	25.3	93.5	28.6	96.1	30.0
North Dakota	83.8	1.1	82.0	5.6	85.8	5.9	88.9	8.3
Ohio	26.9	0.7	28.0	1.5	27.2	1.7	40.5	2.8
Oklahoma	33.6	1.5	40.2	2.0	51.5	1.8	61.0	3.2
Oregon	90.9	26.5	99.7	21.0	99.2	20.8	99.4	20.5
Pennsylvania	57.4	6.4	58.3	4.0	58.5	6.2	62.3	8.2
Rhode Island	44.1	100.0	52.6	100.0	60.2	100.0	63.9	100.0
South Carolina	94.9	77.9	96.0	77.4	96.5	76.5	97.4	81.5
South Dakota	NA	14.1	78.2	18.6	83.9	14.1	84.1	21.7
Tennessee	85.4	17.6	87.5	20.0	88.2	18.1	92.8	18.0
Texas	47.8	43.0	49.7	22.3	31.7	21.3	51.5	19.4
Utah	76.4	95.6	76.9	95.5	80.0	94.8	84.6	92.2
Vermont	100.0	66.3	100.0	68.4	100.0	^R 69.2	100.0	79.4
Virginia	50.0	3.6	59.5	16.3	57.0	8.8	68.1	12.4
Washington	97.7	7.9	97.7	30.7	89.9	30.9	96.0	33.5
West Virginia	52.4	8.8	44.5	8.3	52.6	9.2	72.7	9.7
Wisconsin	68.8	11.6	67.8	10.5	66.2	11.8	75.5	17.3
Wyoming	84.4	2.6	97.2	3.3	93.6	2.8	^R 92.1	4.8
Total	54.5	18.8	61.5	13.0	57.1	^R12.9	^R64.7	13.9

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2001						2000	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.3	12.2	84.3	15.0	85.8	16.7	81.2	22.5
Alaska	67.9	99.6	64.6	99.6	65.3	99.6	59.2	99.8
Arizona	95.7	50.8	91.5	52.5	91.6	44.7	83.7	38.0
Arkansas	NA	13.6	NA	NA	NA	14.6	89.9	8.2
California	64.6	8.5	66.8	8.5	64.1	9.5	57.5	5.1
Colorado	99.8	0.1	100.0	0.1	99.9	0.1	97.4	12.1
Connecticut	77.8	53.5	74.4	51.2	76.5	68.4	78.4	46.0
Delaware	98.5	20.4	98.7	29.7	98.4	11.1	98.0	8.1
District of Columbia	28.8	—	28.2	—	32.5	—	35.6	—
Florida	56.3	2.8	59.2	3.7	60.7	4.7	67.5	4.4
Georgia	9.1	6.7	13.5	8.2	12.0	9.9	17.0	19.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.6	2.5	90.3	3.2	88.8	3.3	86.3	2.7
Illinois	42.6	10.8	43.7	13.6	46.6	13.4	41.9	8.7
Indiana	NA	6.5	NA	13.3	NA	14.2	78.0	9.8
Iowa	83.2	6.3	84.9	8.8	92.6	8.0	81.1	7.0
Kansas	64.8	2.6	63.8	2.4	68.1	2.5	58.3	10.3
Kentucky	82.7	16.4	84.0	18.9	88.0	23.7	85.6	19.1
Louisiana	NA	7.4	97.0	8.3	96.2	8.3	96.3	11.0
Maine	100.0	93.6	100.0	98.4	^R 100.0	94.1	100.0	43.5
Maryland	46.2	3.9	45.4	4.8	44.6	7.8	39.2	5.3
Massachusetts	63.9	42.5	63.4	34.6	67.4	34.6	63.1	13.5
Michigan	68.2	14.4	68.8	16.2	68.4	17.6	58.6	7.8
Minnesota	99.4	48.0	98.7	53.0	98.0	28.0	97.3	40.0
Mississippi	95.7	25.3	87.3	35.1	96.6	29.0	95.5	27.1
Missouri	83.5	18.0	85.6	15.7	89.4	23.7	80.1	17.1
Montana	61.8	2.8	88.2	3.1	76.3	3.0	73.5	1.9
Nebraska	60.7	27.5	61.8	26.8	78.2	23.1	60.5	13.8
Nevada	65.3	15.4	73.5	23.1	73.8	30.0	54.7	4.4
New Hampshire	90.4	30.9	91.9	35.8	90.3	30.7	86.4	34.8
New Jersey	62.0	27.5	65.6	26.3	65.4	29.2	56.9	44.4
New Mexico	66.4	31.2	68.0	27.4	67.9	22.4	61.4	18.9
New York	66.5	21.1	69.2	25.0	67.7	15.1	36.0	3.4
North Carolina	96.9	28.5	98.2	31.0	98.8	38.3	96.5	52.5
North Dakota	89.4	16.8	92.2	13.9	92.3	15.3	89.3	16.1
Ohio	43.9	4.7	42.9	4.4	50.3	6.1	45.0	5.5
Oklahoma	58.8	4.3	61.5	4.9	82.4	8.2	72.3	4.1
Oregon	100.0	18.9	100.0	17.3	100.0	27.5	98.8	13.0
Pennsylvania	66.0	9.1	67.5	13.6	67.7	14.4	60.5	11.6
Rhode Island	62.5	100.0	64.9	100.0	64.4	100.0	53.3	5.9
South Carolina	96.8	81.4	98.3	86.5	99.0	91.1	98.7	86.5
South Dakota	86.7	27.3	85.1	34.3	88.3	43.5	83.1	28.3
Tennessee	92.8	22.3	95.0	22.8	95.8	26.8	92.5	38.4
Texas	50.4	21.3	48.3	22.8	56.0	23.6	76.3	30.1
Utah	85.7	94.0	87.6	94.2	88.4	94.9	83.9	10.0
Vermont	100.0	79.7	100.0	80.4	100.0	96.0	100.0	83.8
Virginia	77.9	14.3	79.8	16.7	75.3	19.3	66.4	13.4
Washington	94.8	38.9	94.9	37.0	95.1	39.7	92.7	27.1
West Virginia	76.9	7.3	80.1	6.9	76.9	6.5	56.6	7.6
Wisconsin	73.8	25.1	81.1	25.4	81.7	24.1	78.1	22.4
Wyoming	89.4	5.3	91.6	5.7	79.3	5.2	90.0	2.9
Total	67.0	15.0	68.6	15.6	^R 70.7	16.3	62.9	18.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2000							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	83.6	27.5	73.7	24.9	74.2	22.7	76.3	21.5
Alaska	60.4	99.6	57.9	99.6	59.3	99.6	61.5	99.7
Arizona	89.8	36.9	82.9	46.0	77.5	39.2	80.6	33.0
Arkansas	95.5	13.9	93.0	8.3	82.4	8.8	76.9	5.5
California	63.5	5.8	56.4	5.2	57.0	3.8	49.8	3.7
Colorado	96.1	10.6	95.7	12.2	93.1	11.5	99.1	11.6
Connecticut	78.9	48.4	75.7	53.9	79.8	56.1	82.7	35.7
Delaware	97.5	9.0	97.5	11.7	97.8	5.9	94.9	9.3
District of Columbia	32.7	—	27.2	—	23.5	—	20.5	—
Florida	67.5	4.1	63.1	3.4	64.0	4.5	64.7	4.4
Georgia	11.1	21.2	10.8	22.7	14.7	19.9	16.9	17.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.9	2.8	83.2	2.3	76.4	2.4	80.6	1.9
Illinois	43.5	13.2	45.2	10.9	34.1	7.0	34.1	6.6
Indiana	83.0	16.2	79.3	15.6	73.0	9.6	70.3	10.2
Iowa	84.2	11.9	82.2	8.2	77.1	7.2	71.7	5.8
Kansas	60.1	2.7	44.7	3.6	49.0	7.6	52.3	15.6
Kentucky	84.2	22.5	87.2	17.5	83.8	17.4	81.8	16.3
Louisiana	95.3	10.9	94.5	10.8	96.2	9.6	96.1	10.1
Maine	100.0	16.4	100.0	23.5	100.0	39.2	100.0	47.4
Maryland	50.4	6.4	42.1	2.8	38.2	7.6	30.4	6.9
Massachusetts	67.9	18.4	61.4	14.9	58.3	8.8	67.6	9.8
Michigan	67.8	12.5	60.0	8.1	50.8	6.3	43.2	4.0
Minnesota	98.3	46.3	97.5	44.7	98.9	43.3	99.0	34.7
Mississippi	96.2	29.9	94.8	28.3	94.7	29.9	94.4	25.7
Missouri	84.4	25.4	73.3	14.0	62.5	9.1	81.5	25.2
Montana	81.7	3.1	78.3	2.1	73.3	1.6	68.7	0.8
Nebraska	53.8	18.5	70.2	18.6	65.3	16.2	62.9	6.8
Nevada	74.7	4.9	53.7	4.0	47.3	2.4	44.7	1.9
New Hampshire	80.6	31.7	83.6	23.7	77.4	27.7	73.3	32.0
New Jersey	56.1	44.6	62.2	41.1	53.9	33.5	41.5	37.0
New Mexico	71.9	15.7	74.0	20.6	75.9	28.2	44.4	28.4
New York	37.8	3.7	34.9	3.4	34.4	3.2	37.7	3.6
North Carolina	96.8	41.4	89.8	28.5	99.5	66.5	99.8	63.9
North Dakota	92.8	25.3	91.7	19.7	87.8	11.8	82.4	9.1
Ohio	49.6	8.3	42.3	7.5	39.0	2.7	35.6	2.4
Oklahoma	82.8	7.9	72.7	4.1	56.9	3.2	47.7	2.7
Oregon	98.8	20.3	98.8	14.6	98.8	12.7	98.8	12.2
Pennsylvania	66.3	16.0	62.0	12.6	55.7	10.7	62.9	11.0
Rhode Island	55.0	3.3	45.8	6.4	40.0	6.1	38.9	4.6
South Carolina	98.6	85.7	96.1	82.7	100.0	87.7	100.0	88.3
South Dakota	89.6	42.4	83.2	24.1	80.8	26.2	72.2	12.9
Tennessee	94.6	35.6	92.5	37.6	88.6	43.6	78.0	41.4
Texas	77.8	34.0	72.2	36.4	71.9	27.6	72.2	28.9
Utah	87.0	10.0	85.6	10.0	79.7	9.7	79.7	10.0
Vermont	100.0	93.0	100.0	83.9	100.0	82.3	100.0	82.9
Virginia	74.1	8.7	69.5	19.1	66.1	14.9	62.7	12.9
Washington	95.4	27.1	76.8	29.1	93.6	28.7	91.9	28.6
West Virginia	75.2	11.7	58.7	11.1	50.4	6.8	35.9	6.2
Wisconsin	82.4	32.9	78.4	25.3	71.3	19.8	63.1	17.1
Wyoming	96.8	3.0	84.2	2.6	87.0	3.2	85.6	3.0
Total	67.5	20.4	63.0	19.8	58.5	16.6	56.0	16.5

^R Revised Data.

NA Not Available.

— Not Applicable.

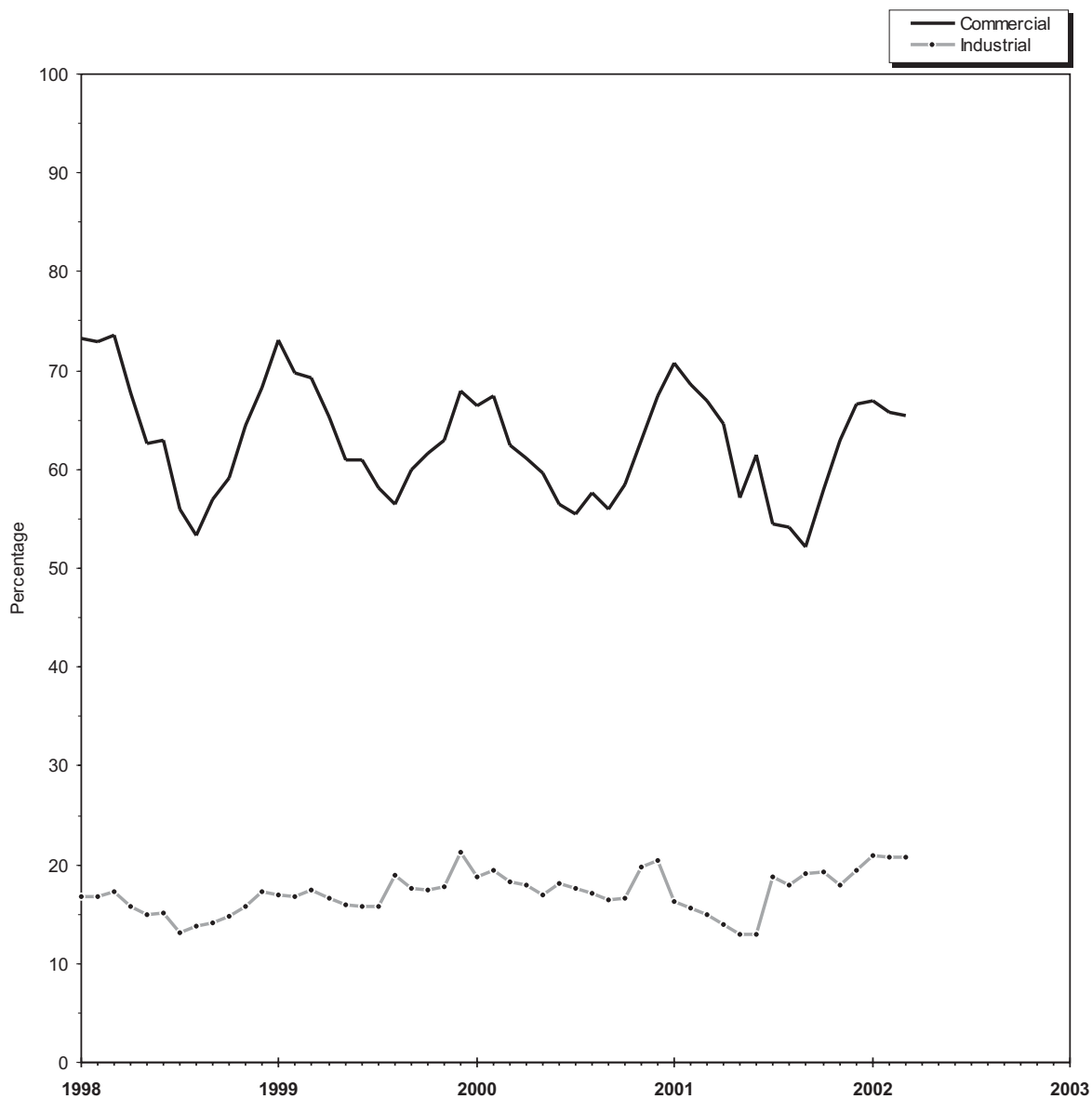
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1998-2002



Source: Table 25.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of

new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

For data that are not taken from STIFS computations, Table A1 lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and estimated from historical data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Estimated from National Energy Board of Canada information and liquefied natural gas information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from industry trends and liquefied natural gas information
Current-Month Consumption	Estimated from historical month-to-month percent changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from reports to the sample survey Form EIA-857
Commercial	Estimated from reports to the sample survey Form EIA-857
Industrial	Estimated from reports to the sample survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production-carbon dioxide, helium, hydrogen sulfide, and nitrogen -are reported by State agencies on the voluntary Form EIA-895. Eleven of the 32 producing States reported data on nonhydrocarbon gases removed during 2000. These 11 States accounted for 46 percent of total 2000 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The

sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or “spot-market” prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's

total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, “Annual Report of the Origin of Natural Gas Liquids Production.” For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted reservoir fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, *Gas Daily* (published by Financial Times Energy). The spot prices are published in another trade publication, *Natural Gas Week* (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly*. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The “balancing item” category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual “balancing item” data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the “balancing item” category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the *Natural Gas Monthly* is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the Country. The temperature information recorded at these weather stations is used to calculate State-wide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil-fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year were due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the Interstate Oil and Gas Compact Commission (IOGCC) decided to discontinue collection of their form. Data collection on the Form

EIA-895, “Monthly Quantity and Value of Natural Gas Report,” began in January 1995. This form was designed to replace the IOGCC form, “Monthly Report of Natural Gas Production.” All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 32 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon gases removed in 2000 were reported by the appropriate agencies of 11 of the 32 producing States. These 11 States accounted for 46 percent of total 2000 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (112,393), Colorado (413,290), New Mexico (583,581), and Wyoming (151,449).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used

on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State’s standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year’s data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, “Underground Natural Gas Storage Report”

Survey Design

The Form EIA-191, “Monthly Underground Natural Gas Storage Report,” was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by

FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas

volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 95 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix

C. When the company’s submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported as whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-906, "Power Plant Report," Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,449 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2000 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 2000. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 395 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 17 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 17 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, Michigan, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{.j}}{2n} \quad (1)$$

Where:

C_j = cutoff value for consumer sector j ,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j ,

X_i = the sum within State of annual gas volumes for company i ,

X_j = the sum within State of annual gas volumes in consumer sector j ,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $\left(I = \frac{X_2}{m}\right)I$. The first sampled company was the

first company on the list to have a cumulative measure of size greater than R . The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In five States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies delivering gas to residential consumers and those who do not deliver to residential consumers.

Kansas, Louisiana, Texas: companies delivering gas only to industrial consumers and those delivering to any other sector.

South Carolina: companies delivering more than 3 Bcf to consumers and those below that level.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector — residential, commercial, and industrial — in each State where companies are sampled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{\gamma_{.j}}{\gamma'_{.j}} \quad (3)$$

where:

$\gamma_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,

$\gamma'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector j ,

y_j = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

Where:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t ,

y_{jt-1} = gas volume in the previous month for companies in the State stratum that reported in month t .

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V_{jm}') \left(\frac{V_{jm}}{V_{jm}'} \right) \right] \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j ,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left(\sum_{i=1}^{n_h} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, March 2002

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	726	2,384	4,423	5,077	0.46	1.73	3.69
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	248	NA	NA	NA	0.41
California	537	565	1,629	1,806	0.12	0.13	0.05
Colorado	3,305	1,758	1,198	3,930	0.42	0.31	1.53
Connecticut	0	0	NA	NA	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	169	363	1,517	1,569	0.30	0.55	0.70
Georgia	179	215	1,117	1,152	1.03	3.87	2.81
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	1,278	465	11,945	12,022	0.18	0.52	0.36
Indiana	412	536	4,366	4,418	0.53	0.45	0.84
Iowa	66	121	210	251	0.14	0.15	0.10
Kansas	999	11,951	2,732	12,300	0.27	1.37	4.00
Kentucky	0	0	0	0	—	—	—
Louisiana	NA	NA	6,656	NA	NA	NA	—
Maine	0	0	0	0	—	—	—
Maryland	0	0	0	0	—	—	—
Massachusetts	405	270	2,216	NA	0.22	0.14	NA
Michigan	99	40	195	222	0.01	—	0.03
Minnesota	0	0	0	0	—	—	—
Mississippi	398	320	628	810	0.41	0.64	0.39
Missouri	1,279	537	587	1,507	0.59	0.58	1.76
Montana	2	12	0	12	0.03	0.04	—
Nebraska	53	136	292	327	0.09	0.11	0.13
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	1,481	49	705	1,641	0.18	0.22	4.57
New York	244	114	619	675	0.02	0.06	0.11
North Carolina	102	22	683	691	0.12	0.12	0.33
North Dakota	0	NA	0	NA	—	—	—
Ohio	515	270	2,034	2,115	0.26	0.45	0.46
Oklahoma	NA	NA	NA	NA	NA	NA	NA
Oregon	0	0	0	0	—	—	—
Pennsylvania	388	1,064	4,555	4,694	0.81	0.32	0.15
Rhode Island	0	NA	0	NA	—	—	—
South Carolina	432	139	613	763	0.44	0.42	0.10
South Dakota	0	0	0	0	—	—	—
Tennessee	552	356	2,880	2,954	0.21	0.50	1.47
Texas	4,582	694	NA	NA	0.19	0.08	NA
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	180	169	832	868	0.27	1.65	3.53
Washington	NA	NA	0	NA	NA	NA	—
West Virginia	332	692	810	1,116	1.01	0.85	1.70
Wisconsin	626	396	353	820	0.03	0.06	0.09
Wyoming	NA	0	0	NA	—	—	—
Total	7,963	12,691	17,988	23,410	0.08	0.11	0.28

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Javed Zaidi (202)586-8695
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Javed Zaidi (202)586-8695
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S.Department of Energy, "Natural Gas Import and Exports"	Javed Zaidi (202)586-8695
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Javed Zaidi (202)586-8695
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13, 14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility	20 21 22 23 24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depleted Reservoir Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in

agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.